



BARGE "EMS 3007"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
3 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2
3 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 264'-03"

August 3, 2015

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 3007"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	16.45	0	353.13	0	719.02	0	1,085.92	0	1,453.32	0	1,820.71	0	2,188.11	0	2,555.49	0	2,922.85	0	3,290.21
1/4	20.65	1/4	360.78	1/4	726.63	1/4	1,093.57	1/4	1,460.97	1/4	1,828.37	1/4	2,195.76	1/4	2,563.15	1/4	2,930.50	1/4	3,297.86
1/2	24.86	1/2	368.43	1/2	734.24	1/2	1,101.23	1/2	1,468.62	1/2	1,836.02	1/2	2,203.42	1/2	2,570.80	1/2	2,938.16	1/2	3,305.52
3/4	29.07	3/4	376.09	3/4	741.86	3/4	1,108.88	3/4	1,476.28	3/4	1,843.67	3/4	2,211.07	3/4	2,578.45	3/4	2,945.81	3/4	3,313.17
1	33.28	1	383.74	1	749.47	1	1,116.54	1	1,483.93	1	1,851.33	1	2,218.73	1	2,586.11	1	2,953.46	1	3,320.82
1/4	39.02	1/4	391.40	1/4	757.09	1/4	1,124.19	1/4	1,491.59	1/4	1,858.98	1/4	2,226.38	1/4	2,593.76	1/4	2,961.12	1/4	3,328.48
1/2	44.76	1/2	399.05	1/2	764.70	1/2	1,131.84	1/2	1,499.24	1/2	1,866.64	1/2	2,234.03	1/2	2,601.41	1/2	2,968.77	1/2	3,336.13
3/4	50.50	3/4	406.70	3/4	772.32	3/4	1,139.50	3/4	1,506.89	3/4	1,874.29	3/4	2,241.69	3/4	2,609.07	3/4	2,976.42	3/4	3,343.78
2	56.24	2	414.36	2	779.94	2	1,147.15	2	1,514.55	2	1,881.95	2	2,249.34	2	2,616.72	2	2,984.08	2	3,351.44
1/4	63.31	1/4	422.01	1/4	787.57	1/4	1,154.81	1/4	1,522.20	1/4	1,889.60	1/4	2,257.00	1/4	2,624.37	1/4	2,991.73	1/4	3,359.09
1/2	70.38	1/2	429.67	1/2	795.19	1/2	1,162.46	1/2	1,529.86	1/2	1,897.25	1/2	2,264.65	1/2	2,632.03	1/2	2,999.38	1/2	3,366.74
3/4	77.45	3/4	437.32	3/4	802.82	3/4	1,170.11	3/4	1,537.51	3/4	1,904.91	3/4	2,272.30	3/4	2,639.68	3/4	3,007.04	3/4	3,374.40
3	84.52	3	444.97	3	810.45	3	1,177.77	3	1,545.17	3	1,912.56	3	2,279.96	3	2,647.33	3	3,014.69	3	3,382.05
1/4	92.08	1/4	452.62	1/4	818.08	1/4	1,185.42	1/4	1,552.82	1/4	1,920.22	1/4	2,287.61	1/4	2,654.99	1/4	3,022.34	1/4	3,389.70
1/2	99.65	1/2	460.26	1/2	825.72	1/2	1,193.08	1/2	1,560.47	1/2	1,927.87	1/2	2,295.27	1/2	2,662.64	1/2	3,030.00	1/2	3,397.36
3/4	107.21	3/4	467.90	3/4	833.35	3/4	1,200.73	3/4	1,568.13	3/4	1,935.52	3/4	2,302.92	3/4	2,670.29	3/4	3,037.65	3/4	3,405.01
4	114.77	4	475.54	4	840.99	4	1,208.38	4	1,575.78	4	1,943.18	4	2,310.58	4	2,677.95	4	3,045.30	4	3,412.66
1/4	122.18	1/4	483.15	1/4	848.64	1/4	1,216.04	1/4	1,583.44	1/4	1,950.83	1/4	2,318.23	1/4	2,685.60	1/4	3,052.96	1/4	3,420.32
1/2	129.58	1/2	490.76	1/2	856.30	1/2	1,223.69	1/2	1,591.09	1/2	1,958.49	1/2	2,325.88	1/2	2,693.25	1/2	3,060.61	1/2	3,427.97
3/4	136.98	3/4	498.37	3/4	863.95	3/4	1,231.35	3/4	1,598.74	3/4	1,966.14	3/4	2,333.54	3/4	2,700.91	3/4	3,068.26	3/4	3,435.62
5	144.39	5	505.98	5	871.60	5	1,239.00	5	1,606.40	5	1,973.79	5	2,341.19	5	2,708.56	5	3,075.92	5	3,443.28
1/4	151.80	1/4	513.58	1/4	879.26	1/4	1,246.66	1/4	1,614.05	1/4	1,981.45	1/4	2,348.85	1/4	2,716.21	1/4	3,083.57	1/4	3,450.93
1/2	159.21	1/2	521.19	1/2	886.91	1/2	1,254.31	1/2	1,621.71	1/2	1,989.10	1/2	2,356.50	1/2	2,723.87	1/2	3,091.22	1/2	3,458.58
3/4	166.62	3/4	528.80	3/4	894.57	3/4	1,261.96	3/4	1,629.36	3/4	1,996.76	3/4	2,364.15	3/4	2,731.52	3/4	3,098.88	3/4	3,466.24
6	174.03	6	536.41	6	902.22	6	1,269.62	6	1,637.01	6	2,004.41	6	2,371.81	6	2,739.17	6	3,106.53	6	3,473.89
1/4	181.44	1/4	544.02	1/4	909.87	1/4	1,277.27	1/4	1,644.67	1/4	2,012.07	1/4	2,379.46	1/4	2,746.83	1/4	3,114.18	1/4	3,481.54
1/2	188.85	1/2	551.63	1/2	917.53	1/2	1,284.93	1/2	1,652.32	1/2	2,019.72	1/2	2,387.12	1/2	2,754.48	1/2	3,121.84	1/2	3,489.20
3/4	196.27	3/4	559.24	3/4	925.18	3/4	1,292.58	3/4	1,659.98	3/4	2,027.37	3/4	2,394.77	3/4	2,762.13	3/4	3,129.49	3/4	3,496.85
7	203.68	7	566.84	7	932.84	7	1,300.23	7	1,667.63	7	2,035.03	7	2,402.42	7	2,769.79	7	3,137.14	7	3,504.50
1/4	211.09	1/4	574.45	1/4	940.49	1/4	1,307.89	1/4	1,675.28	1/4	2,042.68	1/4	2,410.08	1/4	2,777.44	1/4	3,144.80	1/4	3,512.16
1/2	218.50	1/2	582.06	1/2	948.15	1/2	1,315.54	1/2	1,682.94	1/2	2,050.34	1/2	2,417.73	1/2	2,785.09	1/2	3,152.45	1/2	3,519.81
3/4	225.91	3/4	589.67	3/4	955.80	3/4	1,323.20	3/4	1,690.59	3/4	2,057.99	3/4	2,425.39	3/4	2,792.74	3/4	3,160.10	3/4	3,527.46
8	233.33	8	597.28	8	963.45	8	1,330.85	8	1,698.25	8	2,065.64	8	2,433.04	8	2,800.40	8	3,167.76	8	3,535.12
1/4	240.74	1/4	604.89	1/4	971.11	1/4	1,338.50	1/4	1,705.90	1/4	2,073.30	1/4	2,440.69	1/4	2,808.05	1/4	3,175.41	1/4	3,542.77
1/2	248.15	1/2	612.49	1/2	978.76	1/2	1,346.16	1/2	1,713.56	1/2	2,080.95	1/2	2,448.35	1/2	2,815.70	1/2	3,183.06	1/2	3,550.42
3/4	255.56	3/4	620.10	3/4	986.42	3/4	1,353.81	3/4	1,721.21	3/4	2,088.61	3/4	2,456.00	3/4	2,823.36	3/4	3,190.72	3/4	3,558.07
9	262.97	9	627.71	9	994.07	9	1,361.47	9	1,728.86	9	2,096.26	9	2,463.65	9	2,831.01	9	3,198.37	9	3,565.73
1/4	270.39	1/4	635.32	1/4	1,001.72	1/4	1,369.12	1/4	1,736.52	1/4	2,103.91	1/4	2,471.31	1/4	2,838.66	1/4	3,206.02	1/4	3,573.38
1/2	277.80	1/2	642.93	1/2	1,009.38	1/2	1,376.77	1/2	1,744.17	1/2	2,111.57	1/2	2,478.96	1/2	2,846.32	1/2	3,213.68	1/2	3,581.03
3/4	285.21	3/4	650.54	3/4	1,017.03	3/4	1,384.43	3/4	1,751.83	3/4	2,119.22	3/4	2,486.61	3/4	2,853.97	3/4	3,221.33	3/4	3,588.69
10	292.62	10	658.14	10	1,024.69	10	1,392.08	10	1,759.48	10	2,126.88	10	2,494.27	10	2,861.62	10	3,228.98	10	3,596.34
1/4	300.09	1/4	665.75	1/4	1,032.34	1/4	1,399.74	1/4	1,767.13	1/4	2,134.53	1/4	2,501.92	1/4	2,869.28	1/4	3,236.64	1/4	3,603.99
1/2	307.57	1/2	673.36	1/2	1,039.99	1/2	1,407.39	1/2	1,774.79	1/2	2,142.18	1/2	2,509.57	1/2	2,876.93	1/2	3,244.29	1/2	3,611.65
3/4	315.04	3/4	680.97	3/4	1,047.65	3/4	1,415.05	3/4	1,782.44	3/4	2,149.84	3/4	2,517.23	3/4	2,884.58	3/4	3,251.94	3/4	3,619.30
11	322.51	11	688.58	11	1,055.30	11	1,422.70	11	1,790.10	11	2,157.49	11	2,524.88	11	2,892.24	11	3,259.60	11	3,626.95
1/4	330.16	1/4	696.19	1/4	1,062.96	1/4	1,430.35	1/4	1,797.75	1/4	2,165.15	1/4	2,532.53	1/4	2,899.89	1/4	3,267.25	1/4	3,634.61
1/2	337.82	1/2	703.80	1/2	1,070.61	1/2	1,438.01	1/2	1,805.40	1/2	2,172.80	1/2	2,540.19	1/2	2,907.54	1/2	3,274.90	1/2	3,642.26
3/4	345.47	3/4	711.41	3/4	1,078.26	3/4	1,445.66	3/4	1,813.06	3/4	2,180.46	3/4	2,547.84	3/4	2,915.20	3/4	3,282.56	3/4	3,649.91

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 3007"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,657.57	0	4,024.75	0	4,391.97	0	4,757.83	0		0		0		0		0		0	
1/4	3,665.22	1/4	4,032.41	1/4	4,399.59	1/4	4,765.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,672.87	1/2	4,040.06	1/2	4,407.21	1/2	4,773.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,680.53	3/4	4,047.71	3/4	4,414.83	3/4	4,780.71	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,688.18	1	4,055.37	1	4,422.45	1	4,788.33	1		1		1		1		1		1	
1/4	3,695.83	1/4	4,063.02	1/4	4,430.07	1/4	4,795.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,703.49	1/2	4,070.67	1/2	4,437.68	1/2	4,803.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,711.14	3/4	4,078.33	3/4	4,445.30	3/4	4,811.18	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,718.79	2	4,085.98	2	4,452.91	2	4,818.80	2		2		2		2		2		2	
1/4	3,726.45	1/4	4,093.64	1/4	4,460.51	1/4	4,826.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,734.10	1/2	4,101.29	1/2	4,468.11	1/2	4,833.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,741.75	3/4	4,108.94	3/4	4,475.71	3/4	4,841.57	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,749.40	3	4,116.60	3	4,483.32	3	4,849.17	3		3		3		3		3		3	
1/4	3,757.04	1/4	4,124.25	1/4	4,490.94	1/4	4,856.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,764.68	1/2	4,131.90	1/2	4,498.57	1/2	4,864.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,772.32	3/4	4,139.56	3/4	4,506.19	3/4	4,871.92	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,779.96	4	4,147.21	4	4,513.82	4	4,879.51	4		4		4		4		4		4	
1/4	3,787.61	1/4	4,154.86	1/4	4,521.44	1/4	4,887.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,795.25	1/2	4,162.52	1/2	4,529.07	1/2	4,894.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,802.90	3/4	4,170.17	3/4	4,536.69	3/4	4,902.13	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,810.54	5	4,177.82	5	4,544.32	5	4,909.67	5		5		5		5		5		5	
1/4	3,818.19	1/4	4,185.48	1/4	4,551.94	1/4	4,916.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,825.85	1/2	4,193.13	1/2	4,559.57	1/2	4,924.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,833.50	3/4	4,200.79	3/4	4,567.20	3/4	4,931.27	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,841.15	6	4,208.44	6	4,574.82	6	4,938.47	6		6		6		6		6		6	
1/4	3,848.81	1/4	4,216.09	1/4	4,582.45	1/4	4,944.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,856.46	1/2	4,223.75	1/2	4,590.07	1/2	4,950.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,864.12	3/4	4,231.40	3/4	4,597.70	3/4	4,957.16	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,871.77	7	4,239.05	7	4,605.32	7	4,963.39	7		7		7		7		7		7	
1/4	3,879.42	1/4	4,246.71	1/4	4,612.95	1/4	4,968.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,887.08	1/2	4,254.36	1/2	4,620.57	1/2	4,973.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,894.73	3/4	4,262.01	3/4	4,628.20	3/4	4,978.79	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,902.38	8	4,269.67	8	4,635.82	8	4,983.92	8		8		8		8		8		8	
1/4	3,910.04	1/4	4,277.32	1/4	4,643.45	1/4	4,987.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,917.69	1/2	4,284.98	1/2	4,651.07	1/2	4,992.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,925.34	3/4	4,292.63	3/4	4,658.70	3/4	4,996.07	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,933.00	9	4,300.28	9	4,666.33	9	5,000.12	9		9		9		9		9		9	
1/4	3,940.65	1/4	4,307.94	1/4	4,673.95	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,948.30	1/2	4,315.59	1/2	4,681.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,955.95	3/4	4,323.24	3/4	4,689.20	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,963.60	10	4,330.90	10	4,696.83	10		10		10		10		10		10		10	
1/4	3,971.24	1/4	4,338.54	1/4	4,704.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,978.89	1/2	4,346.19	1/2	4,712.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,986.53	3/4	4,353.83	3/4	4,719.70	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,994.17	11	4,361.48	11	4,727.33	11		11		11		11		11		11		11	
1/4	4,001.82	1/4	4,369.10	1/4	4,734.95	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,009.46	1/2	4,376.72	1/2	4,742.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,017.11	3/4	4,384.34	3/4	4,750.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/03/2015 SW-CL
CALCULATED: 08/03/2015 CL
PRINTED: 08/04/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	16.47	0	353.62	0	721.15	0	1,089.01	0	1,456.90	0	1,824.80	0	2,192.70	0	2,560.58	0	2,928.44	0	3,296.30
1/4	20.68	1/4	361.28	1/4	728.81	1/4	1,096.67	1/4	1,464.57	1/4	1,832.47	1/4	2,200.36	1/4	2,568.25	1/4	2,936.11	1/4	3,303.96
1/2	24.90	1/2	368.94	1/2	736.47	1/2	1,104.34	1/2	1,472.23	1/2	1,840.13	1/2	2,208.03	1/2	2,575.91	1/2	2,943.77	1/2	3,311.63
3/4	29.11	3/4	376.61	3/4	744.13	3/4	1,112.00	3/4	1,479.90	3/4	1,847.79	3/4	2,215.69	3/4	2,583.58	3/4	2,951.43	3/4	3,319.29
1	33.33	1	384.27	1	751.79	1	1,119.67	1	1,487.56	1	1,855.46	1	2,223.35	1	2,591.24	1	2,959.10	1	3,326.95
1/4	39.07	1/4	391.94	1/4	759.45	1/4	1,127.33	1/4	1,495.23	1/4	1,863.12	1/4	2,231.02	1/4	2,598.90	1/4	2,966.76	1/4	3,334.62
1/2	44.82	1/2	399.60	1/2	767.11	1/2	1,135.00	1/2	1,502.89	1/2	1,870.79	1/2	2,238.68	1/2	2,606.57	1/2	2,974.42	1/2	3,342.28
3/4	50.57	3/4	407.27	3/4	774.77	3/4	1,142.66	3/4	1,510.56	3/4	1,878.45	3/4	2,246.35	3/4	2,614.23	3/4	2,982.09	3/4	3,349.95
2	56.32	2	414.93	2	782.43	2	1,150.32	2	1,518.22	2	1,886.12	2	2,254.01	2	2,621.89	2	2,989.75	2	3,357.61
1/4	63.40	1/4	422.59	1/4	790.09	1/4	1,157.99	1/4	1,525.89	1/4	1,893.78	1/4	2,261.68	1/4	2,629.56	1/4	2,997.42	1/4	3,365.27
1/2	70.48	1/2	430.26	1/2	797.76	1/2	1,165.65	1/2	1,533.55	1/2	1,901.45	1/2	2,269.34	1/2	2,637.22	1/2	3,005.08	1/2	3,372.94
3/4	77.55	3/4	437.92	3/4	805.42	3/4	1,173.32	3/4	1,541.21	3/4	1,909.11	3/4	2,277.01	3/4	2,644.89	3/4	3,012.74	3/4	3,380.60
3	84.63	3	445.59	3	813.09	3	1,180.98	3	1,548.88	3	1,916.77	3	2,284.67	3	2,652.55	3	3,020.41	3	3,388.26
1/4	92.21	1/4	453.25	1/4	820.75	1/4	1,188.65	1/4	1,556.54	1/4	1,924.44	1/4	2,292.34	1/4	2,660.21	1/4	3,028.07	1/4	3,395.93
1/2	99.78	1/2	460.91	1/2	828.42	1/2	1,196.31	1/2	1,564.21	1/2	1,932.10	1/2	2,300.00	1/2	2,667.88	1/2	3,035.73	1/2	3,403.59
3/4	107.36	3/4	468.57	3/4	836.08	3/4	1,203.98	3/4	1,571.87	3/4	1,939.77	3/4	2,307.66	3/4	2,675.54	3/4	3,043.40	3/4	3,411.26
4	114.93	4	476.23	4	843.74	4	1,211.64	4	1,579.54	4	1,947.43	4	2,315.33	4	2,683.20	4	3,051.06	4	3,418.92
1/4	122.34	1/4	483.89	1/4	851.41	1/4	1,219.31	1/4	1,587.20	1/4	1,955.10	1/4	2,322.99	1/4	2,690.87	1/4	3,058.73	1/4	3,426.58
1/2	129.76	1/2	491.54	1/2	859.07	1/2	1,226.97	1/2	1,594.87	1/2	1,962.76	1/2	2,330.66	1/2	2,698.53	1/2	3,066.39	1/2	3,434.25
3/4	137.17	3/4	499.19	3/4	866.74	3/4	1,234.63	3/4	1,602.53	3/4	1,970.43	3/4	2,338.32	3/4	2,706.19	3/4	3,074.05	3/4	3,441.91
5	144.59	5	506.85	5	874.40	5	1,242.30	5	1,610.19	5	1,978.09	5	2,345.99	5	2,713.86	5	3,081.72	5	3,449.57
1/4	152.01	1/4	514.50	1/4	882.07	1/4	1,249.96	1/4	1,617.86	1/4	1,985.76	1/4	2,353.65	1/4	2,721.52	1/4	3,089.38	1/4	3,457.24
1/2	159.43	1/2	522.16	1/2	889.73	1/2	1,257.63	1/2	1,625.52	1/2	1,993.42	1/2	2,361.32	1/2	2,729.19	1/2	3,097.04	1/2	3,464.90
3/4	166.85	3/4	529.81	3/4	897.40	3/4	1,265.29	3/4	1,633.19	3/4	2,001.08	3/4	2,368.98	3/4	2,736.85	3/4	3,104.71	3/4	3,472.56
6	174.27	6	537.46	6	905.06	6	1,272.96	6	1,640.85	6	2,008.75	6	2,376.64	6	2,744.51	6	3,112.37	6	3,480.23
1/4	181.69	1/4	545.12	1/4	912.73	1/4	1,280.62	1/4	1,648.52	1/4	2,016.41	1/4	2,384.31	1/4	2,752.18	1/4	3,120.03	1/4	3,487.89
1/2	189.12	1/2	552.77	1/2	920.39	1/2	1,288.29	1/2	1,656.18	1/2	2,024.08	1/2	2,391.97	1/2	2,759.84	1/2	3,127.70	1/2	3,495.56
3/4	196.54	3/4	560.42	3/4	928.05	3/4	1,295.95	3/4	1,663.85	3/4	2,031.74	3/4	2,399.64	3/4	2,767.50	3/4	3,135.36	3/4	3,503.22
7	203.96	7	568.08	7	935.72	7	1,303.61	7	1,671.51	7	2,039.41	7	2,407.30	7	2,775.17	7	3,143.03	7	3,510.88
1/4	211.38	1/4	575.73	1/4	943.38	1/4	1,311.28	1/4	1,679.18	1/4	2,047.07	1/4	2,414.97	1/4	2,782.83	1/4	3,150.69	1/4	3,518.55
1/2	218.80	1/2	583.38	1/2	951.05	1/2	1,318.94	1/2	1,686.84	1/2	2,054.74	1/2	2,422.63	1/2	2,790.50	1/2	3,158.35	1/2	3,526.21
3/4	226.23	3/4	591.04	3/4	958.71	3/4	1,326.61	3/4	1,694.50	3/4	2,062.40	3/4	2,430.30	3/4	2,798.16	3/4	3,166.02	3/4	3,533.87
8	233.65	8	598.69	8	966.38	8	1,334.27	8	1,702.17	8	2,070.06	8	2,437.97	8	2,805.82	8	3,173.68	8	3,541.54
1/4	241.07	1/4	606.34	1/4	974.04	1/4	1,341.94	1/4	1,709.83	1/4	2,077.73	1/4	2,445.63	1/4	2,813.49	1/4	3,181.34	1/4	3,549.20
1/2	248.49	1/2	614.00	1/2	981.71	1/2	1,349.60	1/2	1,717.50	1/2	2,085.39	1/2	2,453.29	1/2	2,821.15	1/2	3,189.01	1/2	3,556.87
3/4	255.92	3/4	621.65	3/4	989.37	3/4	1,357.27	3/4	1,725.16	3/4	2,093.06	3/4	2,460.96	3/4	2,828.81	3/4	3,196.67	3/4	3,564.53
9	263.34	9	629.30	9	997.03	9	1,364.93	9	1,732.83	9	2,100.72	9	2,468.62	9	2,836.48	9	3,204.34	9	3,572.19
1/4	270.76	1/4	636.96	1/4	1,004.70	1/4	1,372.60	1/4	1,740.49	1/4	2,108.39	1/4	2,476.28	1/4	2,844.14	1/4	3,212.00	1/4	3,579.86
1/2	278.18	1/2	644.61	1/2	1,012.36	1/2	1,380.26	1/2	1,748.16	1/2	2,116.05	1/2	2,483.95	1/2	2,851.81	1/2	3,219.66	1/2	3,587.52
3/4	285.61	3/4	652.26	3/4	1,020.03	3/4	1,387.92	3/4	1,755.82	3/4	2,123.72	3/4	2,491.61	3/4	2,859.47	3/4	3,227.33	3/4	3,595.18
10	293.03	10	659.92	10	1,027.69	10	1,395.59	10	1,763.48	10	2,131.38	10	2,499.27	10	2,867.13	10	3,234.99	10	3,602.85
1/4	300.51	1/4	667.57	1/4	1,035.36	1/4	1,403.25	1/4	1,771.15	1/4	2,139.05	1/4	2,506.94	1/4	2,874.80	1/4	3,242.65	1/4	3,610.51
1/2	307.99	1/2	675.23	1/2	1,043.02	1/2	1,410.92	1/2	1,778.81	1/2	2,146.71	1/2	2,514.60	1/2	2,882.46	1/2	3,250.32	1/2	3,618.18
3/4	315.48	3/4	682.88	3/4	1,050.69	3/4	1,418.58	3/4	1,786.48	3/4	2,154.37	3/4	2,522.27	3/4	2,890.12	3/4	3,257.98	3/4	3,625.84
11	322.96	11	690.53	11	1,058.35	11	1,426.25	11	1,794.14	11	2,162.04	11	2,529.93	11	2,897.79	11	3,265.64	11	3,633.50
1/4	330.62	1/4	698.19	1/4	1,066.02	1/4	1,433.91	1/4	1,801.81	1/4	2,169.70	1/4	2,537.59	1/4	2,905.45	1/4	3,273.31	1/4	3,641.17
1/2	338.29	1/2	705.84	1/2	1,073.68	1/2	1,441.58	1/2	1,809.47	1/2	2,177.37	1/2	2,545.26	1/2	2,913.11	1/2	3,280.97	1/2	3,648.83
3/4	345.95	3/4	713.50	3/4	1,081.34	3/4	1,449.24	3/4	1,817.14	3/4	2,185.03	3/4	2,552.92	3/4	2,920.78	3/4	3,288.64	3/4	3,656.49

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 3007"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,664.16	0	4,031.85	0	4,399.72	0	4,766.44	0		0		0		0		0		0	
1/4	3,671.82	1/4	4,039.51	1/4	4,407.38	1/4	4,774.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,679.48	1/2	4,047.17	1/2	4,415.05	1/2	4,781.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,687.15	3/4	4,054.84	3/4	4,422.71	3/4	4,789.34	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,694.81	1	4,062.50	1	4,430.37	1	4,796.98	1		1		1		1		1		1	
1/4	3,702.48	1/4	4,070.17	1/4	4,438.03	1/4	4,804.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,710.14	1/2	4,077.83	1/2	4,445.69	1/2	4,812.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,717.80	3/4	4,085.49	3/4	4,453.35	3/4	4,819.86	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,725.47	2	4,093.16	2	4,461.00	2	4,827.49	2		2		2		2		2		2	
1/4	3,733.13	1/4	4,100.82	1/4	4,468.64	1/4	4,835.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,740.79	1/2	4,108.49	1/2	4,476.28	1/2	4,842.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,748.46	3/4	4,116.15	3/4	4,483.91	3/4	4,850.30	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,756.12	3	4,123.81	3	4,491.55	3	4,857.90	3		3		3		3		3		3	
1/4	3,763.77	1/4	4,131.48	1/4	4,499.18	1/4	4,865.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,771.42	1/2	4,139.14	1/2	4,506.82	1/2	4,873.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,779.07	3/4	4,146.81	3/4	4,514.45	3/4	4,880.69	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,786.72	4	4,154.47	4	4,522.09	4	4,888.29	4		4		4		4		4		4	
1/4	3,794.38	1/4	4,162.13	1/4	4,529.73	1/4	4,895.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,802.03	1/2	4,169.80	1/2	4,537.36	1/2	4,903.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,809.69	3/4	4,177.46	3/4	4,545.00	3/4	4,910.94	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,817.34	5	4,185.13	5	4,552.63	5	4,918.49	5		5		5		5		5		5	
1/4	3,825.01	1/4	4,192.79	1/4	4,560.27	1/4	4,925.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,832.67	1/2	4,200.45	1/2	4,567.91	1/2	4,932.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,840.33	3/4	4,208.12	3/4	4,575.54	3/4	4,940.12	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,848.00	6	4,215.78	6	4,583.18	6	4,947.33	6		6		6		6		6		6	
1/4	3,855.66	1/4	4,223.45	1/4	4,590.81	1/4	4,953.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,863.33	1/2	4,231.11	1/2	4,598.45	1/2	4,959.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,870.99	3/4	4,238.77	3/4	4,606.08	3/4	4,966.05	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,878.65	7	4,246.44	7	4,613.72	7	4,972.28	7		7		7		7		7		7	
1/4	3,886.32	1/4	4,254.10	1/4	4,621.36	1/4	4,977.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,893.98	1/2	4,261.77	1/2	4,628.99	1/2	4,982.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,901.65	3/4	4,269.43	3/4	4,636.63	3/4	4,987.71	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,909.31	8	4,277.09	8	4,644.26	8	4,992.85	8		8		8		8		8		8	
1/4	3,916.97	1/4	4,284.76	1/4	4,651.90	1/4	4,996.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,924.64	1/2	4,292.42	1/2	4,659.53	1/2	5,000.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,932.30	3/4	4,300.09	3/4	4,667.17	3/4	5,005.01	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,939.97	9	4,307.75	9	4,674.81	9	5,009.06	9		9		9		9		9		9	
1/4	3,947.63	1/4	4,315.41	1/4	4,682.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,955.29	1/2	4,323.08	1/2	4,690.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,962.95	3/4	4,330.74	3/4	4,697.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,970.61	10	4,338.41	10	4,705.35	10		10		10		10		10		10		10	
1/4	3,978.26	1/4	4,346.07	1/4	4,712.99	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,985.92	1/2	4,353.73	1/2	4,720.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,993.57	3/4	4,361.40	3/4	4,728.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,001.22	11	4,369.06	11	4,735.89	11		11		11		11		11		11		11	
1/4	4,008.88	1/4	4,376.73	1/4	4,743.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,016.54	1/2	4,384.39	1/2	4,751.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,024.19	3/4	4,392.05	3/4	4,758.80	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/03/2015 SW-CL
CALCULATED: 08/03/2015 CL
PRINTED: 08/04/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	16.58	0	356.11	0	716.71	0	1,082.77	0	1,453.21	0	1,823.66	0	2,194.10	0	2,564.53	0	2,934.94	0	3,305.35
1/4	20.82	1/4	363.83	1/4	724.14	1/4	1,090.49	1/4	1,460.93	1/4	1,831.37	1/4	2,201.82	1/4	2,572.25	1/4	2,942.66	1/4	3,313.06
1/2	25.07	1/2	371.54	1/2	731.56	1/2	1,098.20	1/2	1,468.65	1/2	1,839.09	1/2	2,209.54	1/2	2,579.97	1/2	2,950.37	1/2	3,320.78
3/4	29.31	3/4	379.26	3/4	738.99	3/4	1,105.92	3/4	1,476.37	3/4	1,846.81	3/4	2,217.25	3/4	2,587.68	3/4	2,958.09	3/4	3,328.50
1	33.55	1	386.98	1	746.41	1	1,113.64	1	1,484.08	1	1,854.53	1	2,224.97	1	2,595.40	1	2,965.81	1	3,336.21
1/4	39.34	1/4	394.70	1/4	753.84	1/4	1,121.36	1/4	1,491.80	1/4	1,862.25	1/4	2,232.69	1/4	2,603.12	1/4	2,973.52	1/4	3,343.93
1/2	45.13	1/2	402.41	1/2	761.26	1/2	1,129.07	1/2	1,499.52	1/2	1,869.96	1/2	2,240.41	1/2	2,610.83	1/2	2,981.24	1/2	3,351.65
3/4	50.92	3/4	410.13	3/4	768.69	3/4	1,136.79	3/4	1,507.24	3/4	1,877.68	3/4	2,248.13	3/4	2,618.55	3/4	2,988.96	3/4	3,359.36
2	56.70	2	417.85	2	776.11	2	1,144.51	2	1,514.95	2	1,885.40	2	2,255.84	2	2,626.27	2	2,996.67	2	3,367.08
1/4	63.83	1/4	425.57	1/4	783.54	1/4	1,152.23	1/4	1,522.67	1/4	1,893.12	1/4	2,263.56	1/4	2,633.98	1/4	3,004.39	1/4	3,374.80
1/2	70.96	1/2	433.28	1/2	790.96	1/2	1,159.94	1/2	1,530.39	1/2	1,900.83	1/2	2,271.28	1/2	2,641.70	1/2	3,012.11	1/2	3,382.51
3/4	78.09	3/4	441.00	3/4	798.39	3/4	1,167.66	3/4	1,538.11	3/4	1,908.55	3/4	2,279.00	3/4	2,649.42	3/4	3,019.82	3/4	3,390.23
3	85.22	3	448.72	3	805.81	3	1,175.38	3	1,545.82	3	1,916.27	3	2,286.71	3	2,657.14	3	3,027.54	3	3,397.95
1/4	92.84	1/4	456.36	1/4	813.31	1/4	1,183.10	1/4	1,553.54	1/4	1,923.99	1/4	2,294.43	1/4	2,664.85	1/4	3,035.26	1/4	3,405.66
1/2	100.47	1/2	464.00	1/2	820.81	1/2	1,190.81	1/2	1,561.26	1/2	1,931.70	1/2	2,302.15	1/2	2,672.57	1/2	3,042.98	1/2	3,413.38
3/4	108.10	3/4	471.65	3/4	828.31	3/4	1,198.53	3/4	1,568.98	3/4	1,939.42	3/4	2,309.87	3/4	2,680.29	3/4	3,050.69	3/4	3,421.10
4	115.72	4	479.29	4	835.80	4	1,206.25	4	1,576.69	4	1,947.14	4	2,317.58	4	2,688.00	4	3,058.41	4	3,428.82
1/4	123.19	1/4	486.71	1/4	843.52	1/4	1,213.97	1/4	1,584.41	1/4	1,954.86	1/4	2,325.30	1/4	2,695.72	1/4	3,066.13	1/4	3,436.53
1/2	130.66	1/2	494.13	1/2	851.24	1/2	1,221.68	1/2	1,592.13	1/2	1,962.57	1/2	2,333.02	1/2	2,703.44	1/2	3,073.84	1/2	3,444.25
3/4	138.13	3/4	501.55	3/4	858.96	3/4	1,229.40	3/4	1,599.85	3/4	1,970.29	3/4	2,340.74	3/4	2,711.15	3/4	3,081.56	3/4	3,451.97
5	145.59	5	508.97	5	866.67	5	1,237.12	5	1,607.56	5	1,978.01	5	2,348.45	5	2,718.87	5	3,089.28	5	3,459.68
1/4	153.07	1/4	516.39	1/4	874.39	1/4	1,244.84	1/4	1,615.28	1/4	1,985.73	1/4	2,356.17	1/4	2,726.59	1/4	3,096.99	1/4	3,467.40
1/2	160.54	1/2	523.81	1/2	882.11	1/2	1,252.55	1/2	1,623.00	1/2	1,993.44	1/2	2,363.89	1/2	2,734.30	1/2	3,104.71	1/2	3,475.12
3/4	168.02	3/4	531.22	3/4	889.83	3/4	1,260.27	3/4	1,630.72	3/4	2,001.16	3/4	2,371.61	3/4	2,742.02	3/4	3,112.43	3/4	3,482.83
6	175.49	6	538.64	6	897.55	6	1,267.99	6	1,638.43	6	2,008.88	6	2,379.32	6	2,749.74	6	3,120.14	6	3,490.55
1/4	182.97	1/4	546.06	1/4	905.26	1/4	1,275.71	1/4	1,646.15	1/4	2,016.60	1/4	2,387.04	1/4	2,757.45	1/4	3,127.86	1/4	3,498.27
1/2	190.44	1/2	553.48	1/2	912.98	1/2	1,283.43	1/2	1,653.87	1/2	2,024.31	1/2	2,394.76	1/2	2,765.17	1/2	3,135.58	1/2	3,505.98
3/4	197.92	3/4	560.90	3/4	920.70	3/4	1,291.14	3/4	1,661.59	3/4	2,032.03	3/4	2,402.48	3/4	2,772.89	3/4	3,143.29	3/4	3,513.70
7	205.39	7	568.32	7	928.42	7	1,298.86	7	1,669.31	7	2,039.75	7	2,410.19	7	2,780.60	7	3,151.01	7	3,521.42
1/4	212.87	1/4	575.74	1/4	936.13	1/4	1,306.58	1/4	1,677.02	1/4	2,047.47	1/4	2,417.91	1/4	2,788.32	1/4	3,158.73	1/4	3,529.13
1/2	220.34	1/2	583.16	1/2	943.85	1/2	1,314.30	1/2	1,684.74	1/2	2,055.19	1/2	2,425.63	1/2	2,796.04	1/2	3,166.44	1/2	3,536.85
3/4	227.82	3/4	590.58	3/4	951.57	3/4	1,322.01	3/4	1,692.46	3/4	2,062.90	3/4	2,433.35	3/4	2,803.75	3/4	3,174.16	3/4	3,544.57
8	235.29	8	598.00	8	959.29	8	1,329.73	8	1,700.18	8	2,070.62	8	2,441.06	8	2,811.47	8	3,181.88	8	3,552.28
1/4	242.77	1/4	605.42	1/4	967.00	1/4	1,337.45	1/4	1,707.89	1/4	2,078.34	1/4	2,448.78	1/4	2,819.19	1/4	3,189.59	1/4	3,560.00
1/2	250.24	1/2	612.84	1/2	974.72	1/2	1,345.17	1/2	1,715.61	1/2	2,086.06	1/2	2,456.50	1/2	2,826.90	1/2	3,197.31	1/2	3,567.72
3/4	257.72	3/4	620.26	3/4	982.44	3/4	1,352.88	3/4	1,723.33	3/4	2,093.77	3/4	2,464.22	3/4	2,834.62	3/4	3,205.03	3/4	3,575.43
9	265.19	9	627.68	9	990.16	9	1,360.60	9	1,731.05	9	2,101.49	9	2,471.93	9	2,842.34	9	3,212.74	9	3,583.15
1/4	272.67	1/4	635.10	1/4	997.87	1/4	1,368.32	1/4	1,738.76	1/4	2,109.21	1/4	2,479.65	1/4	2,850.06	1/4	3,220.46	1/4	3,590.87
1/2	280.15	1/2	642.52	1/2	1,005.59	1/2	1,376.04	1/2	1,746.48	1/2	2,116.93	1/2	2,487.37	1/2	2,857.77	1/2	3,228.18	1/2	3,598.58
3/4	287.62	3/4	649.94	3/4	1,013.31	3/4	1,383.75	3/4	1,754.20	3/4	2,124.64	3/4	2,495.08	3/4	2,865.49	3/4	3,235.90	3/4	3,606.30
10	295.10	10	657.35	10	1,021.03	10	1,391.47	10	1,761.92	10	2,132.36	10	2,502.80	10	2,873.21	10	3,243.61	10	3,614.02
1/4	302.63	1/4	664.77	1/4	1,028.74	1/4	1,399.19	1/4	1,769.63	1/4	2,140.08	1/4	2,510.52	1/4	2,880.92	1/4	3,251.33	1/4	3,621.74
1/2	310.17	1/2	672.19	1/2	1,036.46	1/2	1,406.91	1/2	1,777.35	1/2	2,147.80	1/2	2,518.23	1/2	2,888.64	1/2	3,259.05	1/2	3,629.45
3/4	317.70	3/4	679.61	3/4	1,044.18	3/4	1,414.62	3/4	1,785.07	3/4	2,155.51	3/4	2,525.95	3/4	2,896.36	3/4	3,266.76	3/4	3,637.17
11	325.24	11	687.03	11	1,051.90	11	1,422.34	11	1,792.79	11	2,163.23	11	2,533.67	11	2,904.07	11	3,274.48	11	3,644.89
1/4	332.96	1/4	694.45	1/4	1,059.61	1/4	1,430.06	1/4	1,800.50	1/4	2,170.95	1/4	2,541.38	1/4	2,911.79	1/4	3,282.20	1/4	3,652.60
1/2	340.67	1/2	701.87	1/2	1,067.33	1/2	1,437.78	1/2	1,808.22	1/2	2,178.67	1/2	2,549.10	1/2	2,919.51	1/2	3,289.91	1/2	3,660.32
3/4	348.39	3/4	709.29	3/4	1,075.05	3/4	1,445.49	3/4	1,815.94	3/4	2,186.38	3/4	2,556.82	3/4	2,927.22	3/4	3,297.63	3/4	3,668.04

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 3007"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,675.75	0	4,045.99	0	4,415.82	0	4,783.80	0		0		0		0		0		0	
1/4	3,683.47	1/4	4,053.70	1/4	4,423.42	1/4	4,791.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,691.19	1/2	4,061.42	1/2	4,431.02	1/2	4,799.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,698.90	3/4	4,069.14	3/4	4,438.62	3/4	4,806.87	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,706.62	1	4,076.85	1	4,446.22	1	4,814.55	1		1		1		1		1		1	
1/4	3,714.34	1/4	4,084.57	1/4	4,453.82	1/4	4,822.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,722.05	1/2	4,092.29	1/2	4,461.41	1/2	4,829.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,729.77	3/4	4,100.01	3/4	4,469.00	3/4	4,837.60	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,737.49	2	4,107.72	2	4,476.60	2	4,845.28	2		2		2		2		2		2	
1/4	3,745.20	1/4	4,115.44	1/4	4,484.20	1/4	4,852.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,752.92	1/2	4,123.16	1/2	4,491.80	1/2	4,860.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,760.63	3/4	4,130.87	3/4	4,499.40	3/4	4,868.25	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,768.35	3	4,138.59	3	4,507.00	3	4,875.90	3		3		3		3		3		3	
1/4	3,776.05	1/4	4,146.31	1/4	4,514.69	1/4	4,883.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,783.76	1/2	4,154.03	1/2	4,522.38	1/2	4,891.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,791.46	3/4	4,161.74	3/4	4,530.07	3/4	4,898.85	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,799.16	4	4,169.46	4	4,537.76	4	4,906.51	4		4		4		4		4		4	
1/4	3,806.87	1/4	4,177.18	1/4	4,545.45	1/4	4,914.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,814.58	1/2	4,184.89	1/2	4,553.13	1/2	4,921.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,822.29	3/4	4,192.61	3/4	4,560.82	3/4	4,929.31	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,829.99	5	4,200.33	5	4,568.51	5	4,936.92	5		5		5		5		5		5	
1/4	3,837.71	1/4	4,208.05	1/4	4,576.20	1/4	4,944.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,845.43	1/2	4,215.76	1/2	4,583.89	1/2	4,951.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,853.15	3/4	4,223.48	3/4	4,591.58	3/4	4,958.70	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,860.86	6	4,231.20	6	4,599.27	6	4,965.96	6		6		6		6		6		6	
1/4	3,868.58	1/4	4,238.91	1/4	4,606.96	1/4	4,972.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,876.30	1/2	4,246.63	1/2	4,614.65	1/2	4,978.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,884.01	3/4	4,254.35	3/4	4,622.33	3/4	4,984.80	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,891.73	7	4,262.06	7	4,630.02	7	4,991.08	7		7		7		7		7		7	
1/4	3,899.45	1/4	4,269.78	1/4	4,637.71	1/4	4,996.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,907.17	1/2	4,277.50	1/2	4,645.40	1/2	5,001.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,914.88	3/4	4,285.22	3/4	4,653.09	3/4	5,006.62	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,922.60	8	4,292.93	8	4,660.78	8	5,011.79	8		8		8		8		8		8	
1/4	3,930.32	1/4	4,300.65	1/4	4,668.47	1/4	5,015.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,938.03	1/2	4,308.37	1/2	4,676.16	1/2	5,019.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,945.75	3/4	4,316.08	3/4	4,683.84	3/4	5,024.04	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,953.47	9	4,323.80	9	4,691.53	9	5,028.12	9		9		9		9		9		9	
1/4	3,961.18	1/4	4,331.52	1/4	4,699.22	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,968.90	1/2	4,339.24	1/2	4,706.91	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,976.61	3/4	4,346.95	3/4	4,714.60	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,984.33	10	4,354.67	10	4,722.29	10		10		10		10		10		10		10	
1/4	3,992.03	1/4	4,362.36	1/4	4,729.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,999.74	1/2	4,370.05	1/2	4,737.67	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,007.44	3/4	4,377.73	3/4	4,745.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,015.15	11	4,385.42	11	4,753.04	11		11		11		11		11		11		11	
1/4	4,022.86	1/4	4,393.02	1/4	4,760.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,030.57	1/2	4,400.62	1/2	4,768.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,038.28	3/4	4,408.22	3/4	4,776.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/03/2015 SW-CL
CALCULATED: 08/03/2015 CL
PRINTED: 08/04/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	16.68	0	358.29	0	730.79	0	1,103.46	0	1,476.13	0	1,848.80	0	2,221.47	0	2,594.13	0	2,966.77	0	3,339.40
1/4	20.95	1/4	366.05	1/4	738.55	1/4	1,111.22	1/4	1,483.89	1/4	1,856.57	1/4	2,229.24	1/4	2,601.89	1/4	2,974.53	1/4	3,347.16
1/2	25.22	1/2	373.82	1/2	746.31	1/2	1,118.99	1/2	1,491.66	1/2	1,864.33	1/2	2,237.00	1/2	2,609.66	1/2	2,982.29	1/2	3,354.93
3/4	29.48	3/4	381.58	3/4	754.08	3/4	1,126.75	3/4	1,499.42	3/4	1,872.09	3/4	2,244.77	3/4	2,617.42	3/4	2,990.05	3/4	3,362.69
1	33.75	1	389.34	1	761.84	1	1,134.51	1	1,507.19	1	1,879.86	1	2,252.53	1	2,625.18	1	2,997.82	1	3,370.45
1/4	39.58	1/4	397.11	1/4	769.61	1/4	1,142.28	1/4	1,514.95	1/4	1,887.62	1/4	2,260.29	1/4	2,632.95	1/4	3,005.58	1/4	3,378.21
1/2	45.40	1/2	404.87	1/2	777.37	1/2	1,150.04	1/2	1,522.71	1/2	1,895.39	1/2	2,268.06	1/2	2,640.71	1/2	3,013.34	1/2	3,385.98
3/4	51.22	3/4	412.64	3/4	785.13	3/4	1,157.81	3/4	1,530.48	3/4	1,903.15	3/4	2,275.82	3/4	2,648.47	3/4	3,021.11	3/4	3,393.74
2	57.04	2	420.40	2	792.90	2	1,165.57	2	1,538.24	2	1,910.91	2	2,283.59	2	2,656.24	2	3,028.87	2	3,401.50
1/4	64.21	1/4	428.16	1/4	800.66	1/4	1,173.33	1/4	1,546.01	1/4	1,918.68	1/4	2,291.35	1/4	2,664.00	1/4	3,036.63	1/4	3,409.27
1/2	71.39	1/2	435.93	1/2	808.43	1/2	1,181.10	1/2	1,553.77	1/2	1,926.44	1/2	2,299.11	1/2	2,671.76	1/2	3,044.40	1/2	3,417.03
3/4	78.56	3/4	443.69	3/4	816.19	3/4	1,188.86	3/4	1,561.53	3/4	1,934.21	3/4	2,306.88	3/4	2,679.53	3/4	3,052.16	3/4	3,424.79
3	85.73	3	451.46	3	823.95	3	1,196.63	3	1,569.30	3	1,941.97	3	2,314.64	3	2,687.29	3	3,059.92	3	3,432.56
1/4	93.40	1/4	459.22	1/4	831.72	1/4	1,204.39	1/4	1,577.06	1/4	1,949.73	1/4	2,322.41	1/4	2,695.05	1/4	3,067.69	1/4	3,440.32
1/2	101.07	1/2	466.98	1/2	839.48	1/2	1,212.15	1/2	1,584.83	1/2	1,957.50	1/2	2,330.17	1/2	2,702.82	1/2	3,075.45	1/2	3,448.08
3/4	108.75	3/4	474.74	3/4	847.25	3/4	1,219.92	3/4	1,592.59	3/4	1,965.26	3/4	2,337.93	3/4	2,710.58	3/4	3,083.21	3/4	3,455.85
4	116.42	4	482.50	4	855.01	4	1,227.68	4	1,600.35	4	1,973.03	4	2,345.70	4	2,718.34	4	3,090.98	4	3,463.61
1/4	123.93	1/4	490.26	1/4	862.77	1/4	1,235.45	1/4	1,608.12	1/4	1,980.79	1/4	2,353.46	1/4	2,726.11	1/4	3,098.74	1/4	3,471.37
1/2	131.45	1/2	498.02	1/2	870.54	1/2	1,243.21	1/2	1,615.88	1/2	1,988.55	1/2	2,361.23	1/2	2,733.87	1/2	3,106.50	1/2	3,479.14
3/4	138.96	3/4	505.78	3/4	878.30	3/4	1,250.97	3/4	1,623.65	3/4	1,996.32	3/4	2,368.99	3/4	2,741.63	3/4	3,114.27	3/4	3,486.90
5	146.47	5	513.54	5	886.07	5	1,258.74	5	1,631.41	5	2,004.08	5	2,376.75	5	2,749.40	5	3,122.03	5	3,494.66
1/4	153.99	1/4	521.30	1/4	893.83	1/4	1,266.50	1/4	1,639.17	1/4	2,011.85	1/4	2,384.52	1/4	2,757.16	1/4	3,129.79	1/4	3,502.43
1/2	161.52	1/2	529.06	1/2	901.59	1/2	1,274.27	1/2	1,646.94	1/2	2,019.61	1/2	2,392.28	1/2	2,764.92	1/2	3,137.56	1/2	3,510.19
3/4	169.04	3/4	536.81	3/4	909.36	3/4	1,282.03	3/4	1,654.70	3/4	2,027.37	3/4	2,400.05	3/4	2,772.69	3/4	3,145.32	3/4	3,517.95
6	176.56	6	544.57	6	917.12	6	1,289.79	6	1,662.47	6	2,035.14	6	2,407.81	6	2,780.45	6	3,153.08	6	3,525.72
1/4	184.08	1/4	552.33	1/4	924.89	1/4	1,297.56	1/4	1,670.23	1/4	2,042.90	1/4	2,415.57	1/4	2,788.21	1/4	3,160.85	1/4	3,533.48
1/2	191.60	1/2	560.09	1/2	932.65	1/2	1,305.32	1/2	1,677.99	1/2	2,050.67	1/2	2,423.34	1/2	2,795.97	1/2	3,168.61	1/2	3,541.24
3/4	199.12	3/4	567.85	3/4	940.41	3/4	1,313.09	3/4	1,685.76	3/4	2,058.43	3/4	2,431.10	3/4	2,803.74	3/4	3,176.37	3/4	3,549.01
7	206.64	7	575.61	7	948.18	7	1,320.85	7	1,693.52	7	2,066.19	7	2,438.87	7	2,811.50	7	3,184.13	7	3,556.77
1/4	214.17	1/4	583.37	1/4	955.94	1/4	1,328.61	1/4	1,701.29	1/4	2,073.96	1/4	2,446.63	1/4	2,819.26	1/4	3,191.90	1/4	3,564.53
1/2	221.69	1/2	591.13	1/2	963.71	1/2	1,336.38	1/2	1,709.05	1/2	2,081.72	1/2	2,454.39	1/2	2,827.03	1/2	3,199.66	1/2	3,572.29
3/4	229.21	3/4	598.88	3/4	971.47	3/4	1,344.14	3/4	1,716.81	3/4	2,089.49	3/4	2,462.16	3/4	2,834.79	3/4	3,207.42	3/4	3,580.06
8	236.73	8	606.64	8	979.23	8	1,351.91	8	1,724.58	8	2,097.25	8	2,469.92	8	2,842.55	8	3,215.19	8	3,587.82
1/4	244.25	1/4	614.40	1/4	987.00	1/4	1,359.67	1/4	1,732.34	1/4	2,105.01	1/4	2,477.68	1/4	2,850.32	1/4	3,222.95	1/4	3,595.58
1/2	251.78	1/2	622.16	1/2	994.76	1/2	1,367.43	1/2	1,740.11	1/2	2,112.78	1/2	2,485.45	1/2	2,858.08	1/2	3,230.71	1/2	3,603.35
3/4	259.30	3/4	629.92	3/4	1,002.53	3/4	1,375.20	3/4	1,747.87	3/4	2,120.54	3/4	2,493.21	3/4	2,865.84	3/4	3,238.48	3/4	3,611.11
9	266.82	9	637.68	9	1,010.29	9	1,382.96	9	1,755.63	9	2,128.31	9	2,500.97	9	2,873.61	9	3,246.24	9	3,618.87
1/4	274.34	1/4	645.44	1/4	1,018.05	1/4	1,390.73	1/4	1,763.40	1/4	2,136.07	1/4	2,508.74	1/4	2,881.37	1/4	3,254.00	1/4	3,626.64
1/2	281.86	1/2	653.19	1/2	1,025.82	1/2	1,398.49	1/2	1,771.16	1/2	2,143.83	1/2	2,516.50	1/2	2,889.13	1/2	3,261.77	1/2	3,634.40
3/4	289.38	3/4	660.95	3/4	1,033.58	3/4	1,406.25	3/4	1,778.93	3/4	2,151.60	3/4	2,524.26	3/4	2,896.90	3/4	3,269.53	3/4	3,642.16
10	296.91	10	668.71	10	1,041.35	10	1,414.02	10	1,786.69	10	2,159.36	10	2,532.03	10	2,904.66	10	3,277.29	10	3,649.93
1/4	304.49	1/4	676.47	1/4	1,049.11	1/4	1,421.78	1/4	1,794.45	1/4	2,167.13	1/4	2,539.79	1/4	2,912.42	1/4	3,285.06	1/4	3,657.69
1/2	312.07	1/2	684.23	1/2	1,056.87	1/2	1,429.55	1/2	1,802.22	1/2	2,174.89	1/2	2,547.55	1/2	2,920.19	1/2	3,292.82	1/2	3,665.45
3/4	319.65	3/4	691.99	3/4	1,064.64	3/4	1,437.31	3/4	1,809.98	3/4	2,182.65	3/4	2,555.32	3/4	2,927.95	3/4	3,300.58	3/4	3,673.22
11	327.23	11	699.75	11	1,072.40	11	1,445.07	11	1,817.75	11	2,190.42	11	2,563.08	11	2,935.71	11	3,308.35	11	3,680.98
1/4	335.00	1/4	707.51	1/4	1,080.17	1/4	1,452.84	1/4	1,825.51	1/4	2,198.18	1/4	2,570.84	1/4	2,943.48	1/4	3,316.11	1/4	3,688.74
1/2	342.76	1/2	715.27	1/2	1,087.93	1/2	1,460.60	1/2	1,833.27	1/2	2,205.95	1/2	2,578.61	1/2	2,951.24	1/2	3,323.87	1/2	3,696.51
3/4	350.53	3/4	723.03	3/4	1,095.69	3/4	1,468.37	3/4	1,841.04	3/4	2,213.71	3/4	2,586.37	3/4	2,959.00	3/4	3,331.64	3/4	3,704.27

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,712.03	0	4,084.49	0	4,456.56	0	4,826.76	0		0		0		0		0		0	
1/4	3,719.80	1/4	4,092.26	1/4	4,464.20	1/4	4,834.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,727.56	1/2	4,100.02	1/2	4,471.85	1/2	4,842.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,735.32	3/4	4,107.78	3/4	4,479.50	3/4	4,849.97	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,743.09	1	4,115.55	1	4,487.14	1	4,857.70	1		1		1		1		1		1	
1/4	3,750.85	1/4	4,123.31	1/4	4,494.78	1/4	4,865.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,758.61	1/2	4,131.07	1/2	4,502.42	1/2	4,873.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,766.37	3/4	4,138.84	3/4	4,510.06	3/4	4,880.88	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,774.14	2	4,146.60	2	4,517.70	2	4,888.61	2		2		2		2		2		2	
1/4	3,781.90	1/4	4,154.36	1/4	4,525.35	1/4	4,896.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,789.66	1/2	4,162.13	1/2	4,533.00	1/2	4,904.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,797.42	3/4	4,169.89	3/4	4,540.65	3/4	4,911.72	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,805.18	3	4,177.65	3	4,548.29	3	4,919.42	3		3		3		3		3		3	
1/4	3,812.93	1/4	4,185.42	1/4	4,556.03	1/4	4,927.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,820.68	1/2	4,193.18	1/2	4,563.76	1/2	4,934.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,828.44	3/4	4,200.95	3/4	4,571.50	3/4	4,942.51	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,836.19	4	4,208.71	4	4,579.23	4	4,950.21	4		4		4		4		4		4	
1/4	3,843.94	1/4	4,216.47	1/4	4,586.97	1/4	4,957.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,851.69	1/2	4,224.24	1/2	4,594.70	1/2	4,965.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,859.45	3/4	4,232.00	3/4	4,602.44	3/4	4,973.15	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,867.20	5	4,239.76	5	4,610.18	5	4,980.80	5		5		5		5		5		5	
1/4	3,874.97	1/4	4,247.53	1/4	4,617.91	1/4	4,988.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,882.73	1/2	4,255.29	1/2	4,625.65	1/2	4,995.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,890.49	3/4	4,263.05	3/4	4,633.38	3/4	5,002.72	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,898.26	6	4,270.82	6	4,641.12	6	5,010.02	6		6		6		6		6		6	
1/4	3,906.02	1/4	4,278.58	1/4	4,648.85	1/4	5,016.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,913.78	1/2	4,286.34	1/2	4,656.59	1/2	5,022.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,921.55	3/4	4,294.11	3/4	4,664.32	3/4	5,028.98	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,929.31	7	4,301.87	7	4,672.06	7	5,035.30	7		7		7		7		7		7	
1/4	3,937.07	1/4	4,309.63	1/4	4,679.79	1/4	5,040.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,944.84	1/2	4,317.40	1/2	4,687.53	1/2	5,045.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,952.60	3/4	4,325.16	3/4	4,695.26	3/4	5,050.92	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,960.36	8	4,332.92	8	4,703.00	8	5,056.13	8		8		8		8		8		8	
1/4	3,968.13	1/4	4,340.69	1/4	4,710.73	1/4	5,060.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,975.89	1/2	4,348.45	1/2	4,718.47	1/2	5,064.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,983.66	3/4	4,356.22	3/4	4,726.20	3/4	5,068.45	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,991.42	9	4,363.98	9	4,733.94	9	5,072.56	9		9		9		9		9		9	
1/4	3,999.18	1/4	4,371.74	1/4	4,741.68	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,006.94	1/2	4,379.51	1/2	4,749.41	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,014.70	3/4	4,387.27	3/4	4,757.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	4,022.46	10	4,395.03	10	4,764.88	10		10		10		10		10		10		10	
1/4	4,030.21	1/4	4,402.77	1/4	4,772.62	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,037.97	1/2	4,410.50	1/2	4,780.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,045.72	3/4	4,418.24	3/4	4,788.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,053.47	11	4,425.97	11	4,795.82	11		11		11		11		11		11		11	
1/4	4,061.23	1/4	4,433.62	1/4	4,803.56	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,068.98	1/2	4,441.26	1/2	4,811.29	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,076.74	3/4	4,448.91	3/4	4,819.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/03/2015 SW-CL
CALCULATED: 08/03/2015 CL
PRINTED: 08/04/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	16.57	0	356.06	0	718.77	0	1,085.69	0	1,455.92	0	1,824.64	0	2,193.92	0	2,563.59	0	2,932.99	0	3,301.88
1/4	20.81	1/4	363.78	1/4	726.26	1/4	1,093.40	1/4	1,463.63	1/4	1,832.31	1/4	2,201.64	1/4	2,571.27	1/4	2,940.69	1/4	3,309.58
1/2	25.06	1/2	371.49	1/2	733.74	1/2	1,101.11	1/2	1,471.34	1/2	1,839.97	1/2	2,209.35	1/2	2,578.95	1/2	2,948.39	1/2	3,317.27
3/4	29.30	3/4	379.21	3/4	741.23	3/4	1,108.83	3/4	1,479.06	3/4	1,847.63	3/4	2,217.07	3/4	2,586.63	3/4	2,956.08	3/4	3,324.96
1	33.54	1	386.92	1	748.72	1	1,116.54	1	1,486.77	1	1,855.29	1	2,224.78	1	2,594.32	1	2,963.78	1	3,332.65
1/4	39.33	1/4	394.64	1/4	756.21	1/4	1,124.25	1/4	1,494.48	1/4	1,862.95	1/4	2,232.50	1/4	2,602.03	1/4	2,971.47	1/4	3,340.35
1/2	45.12	1/2	402.36	1/2	763.70	1/2	1,131.97	1/2	1,502.20	1/2	1,870.61	1/2	2,240.21	1/2	2,609.73	1/2	2,979.17	1/2	3,348.04
3/4	50.90	3/4	410.07	3/4	771.19	3/4	1,139.68	3/4	1,509.91	3/4	1,878.27	3/4	2,247.92	3/4	2,617.44	3/4	2,986.87	3/4	3,355.73
2	56.69	2	417.79	2	778.68	2	1,147.39	2	1,517.62	2	1,885.94	2	2,255.64	2	2,625.15	2	2,994.56	2	3,363.43
1/4	63.82	1/4	425.51	1/4	786.18	1/4	1,155.11	1/4	1,525.34	1/4	1,893.60	1/4	2,263.35	1/4	2,632.85	1/4	3,002.26	1/4	3,370.75
1/2	70.94	1/2	433.22	1/2	793.68	1/2	1,162.82	1/2	1,533.05	1/2	1,901.26	1/2	2,271.07	1/2	2,640.55	1/2	3,009.95	1/2	3,378.07
3/4	78.07	3/4	440.94	3/4	801.17	3/4	1,170.53	3/4	1,540.76	3/4	1,908.92	3/4	2,278.78	3/4	2,648.24	3/4	3,017.65	3/4	3,385.39
3	85.20	3	448.66	3	808.67	3	1,178.25	3	1,548.47	3	1,916.58	3	2,286.50	3	2,655.94	3	3,025.35	3	3,392.72
1/4	92.83	1/4	456.31	1/4	816.22	1/4	1,185.96	1/4	1,556.19	1/4	1,924.24	1/4	2,294.21	1/4	2,663.63	1/4	3,033.04	1/4	3,398.57
1/2	100.45	1/2	463.97	1/2	823.77	1/2	1,193.67	1/2	1,563.90	1/2	1,931.90	1/2	2,301.92	1/2	2,671.33	1/2	3,040.74	1/2	3,404.41
3/4	108.08	3/4	471.63	3/4	831.32	3/4	1,201.39	3/4	1,571.61	3/4	1,939.57	3/4	2,309.64	3/4	2,679.03	3/4	3,048.43	3/4	3,410.26
4	115.70	4	479.29	4	838.87	4	1,209.10	4	1,579.33	4	1,947.23	4	2,317.35	4	2,686.72	4	3,056.13	4	3,416.11
1/4	123.17	1/4	486.77	1/4	846.58	1/4	1,216.81	1/4	1,587.03	1/4	1,954.90	1/4	2,325.07	1/4	2,694.42	1/4	3,063.82	1/4	3,420.87
1/2	130.63	1/2	494.26	1/2	854.30	1/2	1,224.52	1/2	1,594.73	1/2	1,962.58	1/2	2,332.78	1/2	2,702.11	1/2	3,071.51	1/2	3,425.62
3/4	138.10	3/4	501.74	3/4	862.01	3/4	1,232.24	3/4	1,602.43	3/4	1,970.25	3/4	2,340.50	3/4	2,709.81	3/4	3,079.20	3/4	3,430.38
5	145.57	5	509.22	5	869.72	5	1,239.95	5	1,610.12	5	1,977.92	5	2,348.21	5	2,717.51	5	3,086.89	5	3,435.14
1/4	153.04	1/4	516.71	1/4	877.43	1/4	1,247.66	1/4	1,617.79	1/4	1,985.64	1/4	2,355.92	1/4	2,725.20	1/4	3,094.56	1/4	3,439.89
1/2	160.51	1/2	524.19	1/2	885.15	1/2	1,255.38	1/2	1,625.45	1/2	1,993.35	1/2	2,363.64	1/2	2,732.90	1/2	3,102.23	1/2	3,444.65
3/4	167.99	3/4	531.67	3/4	892.86	3/4	1,263.09	3/4	1,633.11	3/4	2,001.07	3/4	2,371.35	3/4	2,740.59	3/4	3,109.90	3/4	3,449.41
6	175.46	6	539.16	6	900.57	6	1,270.80	6	1,640.77	6	2,008.78	6	2,379.07	6	2,748.29	6	3,117.57	6	3,454.16
1/4	182.94	1/4	546.64	1/4	908.29	1/4	1,278.52	1/4	1,648.43	1/4	2,016.50	1/4	2,386.78	1/4	2,755.99	1/4	3,125.25	1/4	3,458.92
1/2	190.41	1/2	554.12	1/2	916.00	1/2	1,286.23	1/2	1,656.09	1/2	2,024.21	1/2	2,394.50	1/2	2,763.68	1/2	3,132.92	1/2	3,463.67
3/4	197.88	3/4	561.61	3/4	923.71	3/4	1,293.94	3/4	1,663.75	3/4	2,031.92	3/4	2,402.21	3/4	2,771.38	3/4	3,140.59	3/4	3,468.43
7	205.36	7	569.09	7	931.43	7	1,301.66	7	1,671.42	7	2,039.64	7	2,409.92	7	2,779.07	7	3,148.26	7	3,473.19
1/4	212.83	1/4	576.57	1/4	939.14	1/4	1,309.37	1/4	1,679.08	1/4	2,047.35	1/4	2,417.64	1/4	2,786.77	1/4	3,155.93	1/4	3,477.94
1/2	220.31	1/2	584.06	1/2	946.85	1/2	1,317.08	1/2	1,686.74	1/2	2,055.07	1/2	2,425.35	1/2	2,794.47	1/2	3,163.60	1/2	3,482.70
3/4	227.78	3/4	591.54	3/4	954.57	3/4	1,324.79	3/4	1,694.40	3/4	2,062.78	3/4	2,433.07	3/4	2,802.16	3/4	3,171.28	3/4	3,487.46
8	235.26	8	599.02	8	962.28	8	1,332.51	8	1,702.06	8	2,070.50	8	2,440.78	8	2,809.86	8	3,178.95	8	3,492.21
1/4	242.73	1/4	606.51	1/4	969.99	1/4	1,340.22	1/4	1,709.72	1/4	2,078.21	1/4	2,448.49	1/4	2,817.55	1/4	3,186.62	1/4	3,496.97
1/2	250.21	1/2	613.99	1/2	977.71	1/2	1,347.93	1/2	1,717.38	1/2	2,085.92	1/2	2,456.19	1/2	2,825.25	1/2	3,194.29	1/2	3,501.73
3/4	257.68	3/4	621.48	3/4	985.42	3/4	1,355.65	3/4	1,725.05	3/4	2,093.64	3/4	2,463.89	3/4	2,832.95	3/4	3,201.96	3/4	3,506.48
9	265.15	9	628.96	9	993.13	9	1,363.36	9	1,732.71	9	2,101.35	9	2,471.59	9	2,840.64	9	3,209.63	9	3,511.24
1/4	272.63	1/4	636.44	1/4	1,000.84	1/4	1,371.07	1/4	1,740.37	1/4	2,109.07	1/4	2,479.25	1/4	2,848.34	1/4	3,217.31	1/4	3,516.00
1/2	280.10	1/2	643.93	1/2	1,008.56	1/2	1,378.79	1/2	1,748.03	1/2	2,116.78	1/2	2,486.91	1/2	2,856.03	1/2	3,224.99	1/2	3,520.75
3/4	287.58	3/4	651.41	3/4	1,016.27	3/4	1,386.50	3/4	1,755.69	3/4	2,124.50	3/4	2,494.58	3/4	2,863.73	3/4	3,232.66	3/4	3,525.51
10	295.05	10	658.89	10	1,023.98	10	1,394.21	10	1,763.35	10	2,132.21	10	2,502.24	10	2,871.43	10	3,240.34	10	3,530.26
1/4	302.59	1/4	666.38	1/4	1,031.70	1/4	1,401.93	1/4	1,771.01	1/4	2,139.92	1/4	2,509.90	1/4	2,879.12	1/4	3,248.03	1/4	3,535.02
1/2	310.12	1/2	673.86	1/2	1,039.41	1/2	1,409.64	1/2	1,778.68	1/2	2,147.64	1/2	2,517.57	1/2	2,886.82	1/2	3,255.73	1/2	3,539.78
3/4	317.66	3/4	681.34	3/4	1,047.12	3/4	1,417.35	3/4	1,786.34	3/4	2,155.35	3/4	2,525.23	3/4	2,894.51	3/4	3,263.42	3/4	3,544.53
11	325.19	11	688.83	11	1,054.84	11	1,425.06	11	1,794.00	11	2,163.07	11	2,532.90	11	2,902.21	11	3,271.11	11	3,549.29
1/4	332.91	1/4	696.31	1/4	1,062.55	1/4	1,432.78	1/4	1,801.66	1/4	2,170.78	1/4	2,540.57	1/4	2,909.91	1/4	3,278.80	1/4	3,554.05
1/2	340.63	1/2	703.80	1/2	1,070.26	1/2	1,440.49	1/2	1,809.32	1/2	2,178.50	1/2	2,548.24	1/2	2,917.60	1/2	3,286.50	1/2	3,558.80
3/4	348.34	3/4	711.28	3/4	1,077.98	3/4	1,448.20	3/4	1,816.98	3/4	2,186.21	3/4	2,555.91	3/4	2,925.30	3/4	3,294.19	3/4	3,563.56

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,568.32	0	3,796.45	0	4,024.43	0	4,252.01	0		0		0		0		0		0	
1/4	3,573.07	1/4	3,801.21	1/4	4,029.12	1/4	4,256.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,577.83	1/2	3,805.96	1/2	4,033.81	1/2	4,261.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,582.58	3/4	3,810.72	3/4	4,038.50	3/4	4,266.28	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,587.34	1	3,815.48	1	4,043.19	1	4,271.04	1		1		1		1		1		1	
1/4	3,592.10	1/4	3,820.23	1/4	4,047.88	1/4	4,275.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,596.85	1/2	3,824.99	1/2	4,052.57	1/2	4,280.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,601.61	3/4	3,829.75	3/4	4,057.26	3/4	4,285.31	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,606.37	2	3,834.50	2	4,061.95	2	4,290.06	2		2		2		2		2		2	
1/4	3,611.12	1/4	3,839.26	1/4	4,066.65	1/4	4,294.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,615.87	1/2	3,844.02	1/2	4,071.36	1/2	4,299.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,620.63	3/4	3,848.77	3/4	4,076.06	3/4	4,304.33	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,625.38	3	3,853.53	3	4,080.77	3	4,309.09	3		3		3		3		3		3	
1/4	3,630.13	1/4	3,858.29	1/4	4,085.53	1/4	4,313.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,634.87	1/2	3,863.04	1/2	4,090.28	1/2	4,318.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,639.61	3/4	3,867.80	3/4	4,095.04	3/4	4,323.34	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,644.36	4	3,872.56	4	4,099.80	4	4,328.09	4		4		4		4		4		4	
1/4	3,649.11	1/4	3,877.31	1/4	4,104.55	1/4	4,332.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,653.85	1/2	3,882.07	1/2	4,109.31	1/2	4,337.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,658.60	3/4	3,886.83	3/4	4,114.07	3/4	4,342.20	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,663.35	5	3,891.58	5	4,118.82	5	4,346.90	5		5		5		5		5		5	
1/4	3,668.10	1/4	3,896.34	1/4	4,123.58	1/4	4,351.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,672.86	1/2	3,901.10	1/2	4,128.34	1/2	4,355.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,677.62	3/4	3,905.85	3/4	4,133.09	3/4	4,359.98	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,682.37	6	3,910.61	6	4,137.85	6	4,364.34	6		6		6		6		6		6	
1/4	3,687.13	1/4	3,915.37	1/4	4,142.61	1/4	4,367.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,691.89	1/2	3,920.12	1/2	4,147.36	1/2	4,371.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,696.64	3/4	3,924.88	3/4	4,152.12	3/4	4,374.48	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,701.40	7	3,929.64	7	4,156.88	7	4,377.86	7		7		7		7		7		7	
1/4	3,706.16	1/4	3,934.39	1/4	4,161.63	1/4	4,380.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,710.91	1/2	3,939.15	1/2	4,166.39	1/2	4,382.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.67	3/4	3,943.91	3/4	4,171.15	3/4	4,384.69	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,720.43	8	3,948.66	8	4,175.90	8	4,386.97	8		8		8		8		8		8	
1/4	3,725.18	1/4	3,953.42	1/4	4,180.66	1/4	4,388.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,729.94	1/2	3,958.18	1/2	4,185.42	1/2	4,389.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,734.70	3/4	3,962.93	3/4	4,190.17	3/4	4,390.49	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,739.45	9	3,967.69	9	4,194.93	9	4,391.67	9		9		9		9		9		9	
1/4	3,744.21	1/4	3,972.45	1/4	4,199.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,748.96	1/2	3,977.20	1/2	4,204.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,753.72	3/4	3,981.96	3/4	4,209.20	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,758.47	10	3,986.72	10	4,213.96	10		10		10		10		10		10		10	
1/4	3,763.22	1/4	3,991.46	1/4	4,218.71	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,767.96	1/2	3,996.20	1/2	4,223.47	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,772.71	3/4	4,000.94	3/4	4,228.23	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,777.45	11	4,005.68	11	4,232.98	11		11		11		11		11		11		11	
1/4	3,782.20	1/4	4,010.37	1/4	4,237.74	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,786.95	1/2	4,015.06	1/2	4,242.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,791.70	3/4	4,019.74	3/4	4,247.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/03/2015 SW-CL
CALCULATED: 08/03/2015 CL
PRINTED: 08/04/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	16.67	0	357.71	0	722.09	0	1,090.68	0	1,462.57	0	1,832.59	0	2,203.37	0	2,574.68	0	2,945.34	0	3,315.94
1/4	20.93	1/4	365.47	1/4	729.61	1/4	1,098.43	1/4	1,470.32	1/4	1,840.28	1/4	2,211.12	1/4	2,582.39	1/4	2,953.07	1/4	3,323.68
1/2	25.20	1/2	373.22	1/2	737.14	1/2	1,106.17	1/2	1,478.07	1/2	1,847.96	1/2	2,218.87	1/2	2,590.09	1/2	2,960.79	1/2	3,331.42
3/4	29.46	3/4	380.97	3/4	744.66	3/4	1,113.92	3/4	1,485.82	3/4	1,855.65	3/4	2,226.62	3/4	2,597.80	3/4	2,968.52	3/4	3,339.16
1	33.73	1	388.72	1	752.19	1	1,121.67	1	1,493.56	1	1,863.33	1	2,234.37	1	2,605.50	1	2,976.25	1	3,346.90
1/4	39.54	1/4	396.47	1/4	759.71	1/4	1,129.42	1/4	1,501.31	1/4	1,871.01	1/4	2,242.11	1/4	2,613.23	1/4	2,983.98	1/4	3,354.64
1/2	45.35	1/2	404.22	1/2	767.24	1/2	1,137.17	1/2	1,509.06	1/2	1,878.70	1/2	2,249.86	1/2	2,620.96	1/2	2,991.71	1/2	3,362.38
3/4	51.16	3/4	411.97	3/4	774.76	3/4	1,144.91	3/4	1,516.81	3/4	1,886.38	3/4	2,257.61	3/4	2,628.70	3/4	2,999.44	3/4	3,370.12
2	56.97	2	419.72	2	782.29	2	1,152.66	2	1,524.56	2	1,894.07	2	2,265.36	2	2,636.43	2	3,007.17	2	3,377.85
1/4	64.13	1/4	427.48	1/4	789.82	1/4	1,160.41	1/4	1,532.30	1/4	1,901.75	1/4	2,273.11	1/4	2,644.15	1/4	3,014.90	1/4	3,385.22
1/2	71.29	1/2	435.23	1/2	797.35	1/2	1,168.16	1/2	1,540.05	1/2	1,909.44	1/2	2,280.86	1/2	2,651.86	1/2	3,022.63	1/2	3,392.59
3/4	78.45	3/4	442.98	3/4	804.88	3/4	1,175.90	3/4	1,547.80	3/4	1,917.12	3/4	2,288.61	3/4	2,659.58	3/4	3,030.36	3/4	3,399.96
3	85.61	3	450.73	3	812.41	3	1,183.65	3	1,555.55	3	1,924.81	3	2,296.36	3	2,667.30	3	3,038.09	3	3,407.32
1/4	93.27	1/4	458.42	1/4	819.99	1/4	1,191.40	1/4	1,563.29	1/4	1,932.49	1/4	2,304.11	1/4	2,675.02	1/4	3,045.82	1/4	3,413.21
1/2	100.93	1/2	466.12	1/2	827.58	1/2	1,199.15	1/2	1,571.04	1/2	1,940.18	1/2	2,311.86	1/2	2,682.73	1/2	3,053.54	1/2	3,419.09
3/4	108.59	3/4	473.81	3/4	835.16	3/4	1,206.90	3/4	1,578.78	3/4	1,947.87	3/4	2,319.61	3/4	2,690.45	3/4	3,061.27	3/4	3,424.97
4	116.25	4	481.50	4	842.75	4	1,214.64	4	1,586.53	4	1,955.56	4	2,327.35	4	2,698.17	4	3,069.00	4	3,430.86
1/4	123.75	1/4	489.02	1/4	850.50	1/4	1,222.39	1/4	1,594.25	1/4	1,963.27	1/4	2,335.10	1/4	2,705.89	1/4	3,076.73	1/4	3,435.64
1/2	131.25	1/2	496.54	1/2	858.25	1/2	1,230.14	1/2	1,601.98	1/2	1,970.98	1/2	2,342.85	1/2	2,713.61	1/2	3,084.45	1/2	3,440.42
3/4	138.75	3/4	504.06	3/4	865.99	3/4	1,237.89	3/4	1,609.70	3/4	1,978.68	3/4	2,350.60	3/4	2,721.32	3/4	3,092.17	3/4	3,445.21
5	146.25	5	511.57	5	873.74	5	1,245.64	5	1,617.42	5	1,986.39	5	2,358.35	5	2,729.04	5	3,099.90	5	3,449.99
1/4	153.76	1/4	519.09	1/4	881.49	1/4	1,253.38	1/4	1,625.11	1/4	1,994.14	1/4	2,366.10	1/4	2,736.76	1/4	3,107.60	1/4	3,454.78
1/2	161.27	1/2	526.61	1/2	889.24	1/2	1,261.13	1/2	1,632.79	1/2	2,001.89	1/2	2,373.85	1/2	2,744.48	1/2	3,115.31	1/2	3,459.56
3/4	168.78	3/4	534.13	3/4	896.98	3/4	1,268.88	3/4	1,640.48	3/4	2,009.64	3/4	2,381.60	3/4	2,752.20	3/4	3,123.01	3/4	3,464.35
6	176.28	6	541.65	6	904.73	6	1,276.63	6	1,648.16	6	2,017.39	6	2,389.35	6	2,759.91	6	3,130.72	6	3,469.13
1/4	183.79	1/4	549.17	1/4	912.48	1/4	1,284.37	1/4	1,655.85	1/4	2,025.14	1/4	2,397.10	1/4	2,767.63	1/4	3,138.42	1/4	3,473.92
1/2	191.30	1/2	556.68	1/2	920.23	1/2	1,292.12	1/2	1,663.53	1/2	2,032.89	1/2	2,404.85	1/2	2,775.35	1/2	3,146.13	1/2	3,478.70
3/4	198.81	3/4	564.20	3/4	927.98	3/4	1,299.87	3/4	1,671.21	3/4	2,040.64	3/4	2,412.59	3/4	2,783.07	3/4	3,153.83	3/4	3,483.48
7	206.32	7	571.72	7	935.72	7	1,307.62	7	1,678.90	7	2,048.39	7	2,420.34	7	2,790.79	7	3,161.54	7	3,488.27
1/4	213.83	1/4	579.24	1/4	943.47	1/4	1,315.37	1/4	1,686.58	1/4	2,056.14	1/4	2,428.09	1/4	2,798.51	1/4	3,169.24	1/4	3,493.05
1/2	221.34	1/2	586.76	1/2	951.22	1/2	1,323.11	1/2	1,694.27	1/2	2,063.88	1/2	2,435.84	1/2	2,806.23	1/2	3,176.94	1/2	3,497.84
3/4	228.85	3/4	594.27	3/4	958.97	3/4	1,330.86	3/4	1,701.95	3/4	2,071.63	3/4	2,443.59	3/4	2,813.95	3/4	3,184.65	3/4	3,502.62
8	236.36	8	601.79	8	966.71	8	1,338.61	8	1,709.64	8	2,079.38	8	2,451.34	8	2,821.67	8	3,192.35	8	3,507.41
1/4	243.87	1/4	609.31	1/4	974.46	1/4	1,346.36	1/4	1,717.32	1/4	2,087.13	1/4	2,459.08	1/4	2,829.40	1/4	3,200.06	1/4	3,512.19
1/2	251.38	1/2	616.83	1/2	982.21	1/2	1,354.10	1/2	1,725.01	1/2	2,094.88	1/2	2,466.81	1/2	2,837.13	1/2	3,207.76	1/2	3,516.98
3/4	258.88	3/4	624.35	3/4	989.96	3/4	1,361.85	3/4	1,732.69	3/4	2,102.63	3/4	2,474.55	3/4	2,844.86	3/4	3,215.47	3/4	3,521.76
9	266.39	9	631.87	9	997.71	9	1,369.60	9	1,740.38	9	2,110.38	9	2,482.28	9	2,852.59	9	3,223.17	9	3,526.54
1/4	273.90	1/4	639.38	1/4	1,005.45	1/4	1,377.35	1/4	1,748.06	1/4	2,118.13	1/4	2,489.98	1/4	2,860.31	1/4	3,230.89	1/4	3,531.33
1/2	281.41	1/2	646.90	1/2	1,013.20	1/2	1,385.10	1/2	1,755.75	1/2	2,125.88	1/2	2,497.68	1/2	2,868.04	1/2	3,238.60	1/2	3,536.11
3/4	288.92	3/4	654.42	3/4	1,020.95	3/4	1,392.84	3/4	1,763.43	3/4	2,133.63	3/4	2,505.37	3/4	2,875.77	3/4	3,246.31	3/4	3,540.90
10	296.43	10	661.94	10	1,028.70	10	1,400.59	10	1,771.11	10	2,141.38	10	2,513.07	10	2,883.50	10	3,254.03	10	3,545.68
1/4	304.00	1/4	669.46	1/4	1,036.44	1/4	1,408.34	1/4	1,778.80	1/4	2,149.13	1/4	2,520.77	1/4	2,891.23	1/4	3,261.77	1/4	3,550.47
1/2	311.57	1/2	676.97	1/2	1,044.19	1/2	1,416.09	1/2	1,786.48	1/2	2,156.87	1/2	2,528.47	1/2	2,898.96	1/2	3,269.51	1/2	3,555.25
3/4	319.14	3/4	684.49	3/4	1,051.94	3/4	1,423.83	3/4	1,794.17	3/4	2,164.62	3/4	2,536.17	3/4	2,906.69	3/4	3,277.25	3/4	3,560.03
11	326.71	11	692.01	11	1,059.69	11	1,431.58	11	1,801.85	11	2,172.37	11	2,543.87	11	2,914.42	11	3,284.98	11	3,564.82
1/4	334.46	1/4	699.53	1/4	1,067.44	1/4	1,439.33	1/4	1,809.54	1/4	2,180.12	1/4	2,551.57	1/4	2,922.15	1/4	3,292.72	1/4	3,569.60
1/2	342.21	1/2	707.05	1/2	1,075.18	1/2	1,447.08	1/2	1,817.22	1/2	2,187.87	1/2	2,559.28	1/2	2,929.88	1/2	3,300.46	1/2	3,574.39
3/4	349.96	3/4	714.57	3/4	1,082.93	3/4	1,454.83	3/4	1,824.91	3/4	2,195.62	3/4	2,566.98	3/4	2,937.61	3/4	3,308.20	3/4	3,579.17

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 3007"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,583.96	0	3,813.43	0	4,042.75	0	4,271.67	0		0		0		0		0		0	
1/4	3,588.74	1/4	3,818.21	1/4	4,047.47	1/4	4,276.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,593.53	1/2	3,823.00	1/2	4,052.19	1/2	4,281.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,598.31	3/4	3,827.78	3/4	4,056.90	3/4	4,286.03	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,603.09	1	3,832.57	1	4,061.62	1	4,290.81	1		1		1		1		1		1	
1/4	3,607.88	1/4	3,837.35	1/4	4,066.34	1/4	4,295.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,612.66	1/2	3,842.14	1/2	4,071.05	1/2	4,300.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,617.45	3/4	3,846.92	3/4	4,075.77	3/4	4,305.17	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,622.23	2	3,851.70	2	4,080.49	2	4,309.95	2		2		2		2		2		2	
1/4	3,627.01	1/4	3,856.49	1/4	4,085.22	1/4	4,314.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,631.79	1/2	3,861.27	1/2	4,089.96	1/2	4,319.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,636.58	3/4	3,866.06	3/4	4,094.69	3/4	4,324.30	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,641.36	3	3,870.84	3	4,099.42	3	4,329.08	3		3		3		3		3		3	
1/4	3,646.13	1/4	3,875.63	1/4	4,104.21	1/4	4,333.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,650.90	1/2	3,880.41	1/2	4,108.99	1/2	4,338.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,655.67	3/4	3,885.20	3/4	4,113.78	3/4	4,343.41	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,660.44	4	3,889.98	4	4,118.56	4	4,348.19	4		4		4		4		4		4	
1/4	3,665.22	1/4	3,894.77	1/4	4,123.35	1/4	4,352.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,669.99	1/2	3,899.55	1/2	4,128.13	1/2	4,357.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,674.77	3/4	3,904.34	3/4	4,132.92	3/4	4,362.38	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,679.55	5	3,909.12	5	4,137.70	5	4,367.11	5		5		5		5		5		5	
1/4	3,684.33	1/4	3,913.90	1/4	4,142.49	1/4	4,371.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,689.11	1/2	3,918.69	1/2	4,147.27	1/2	4,375.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,693.90	3/4	3,923.47	3/4	4,152.06	3/4	4,380.27	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,698.68	6	3,928.26	6	4,156.84	6	4,384.66	6		6		6		6		6		6	
1/4	3,703.47	1/4	3,933.04	1/4	4,161.63	1/4	4,388.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,708.25	1/2	3,937.83	1/2	4,166.41	1/2	4,391.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,713.04	3/4	3,942.61	3/4	4,171.20	3/4	4,394.85	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,717.82	7	3,947.40	7	4,175.98	7	4,398.25	7		7		7		7		7		7	
1/4	3,722.61	1/4	3,952.18	1/4	4,180.76	1/4	4,400.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,727.39	1/2	3,956.97	1/2	4,185.55	1/2	4,402.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,732.18	3/4	3,961.75	3/4	4,190.33	3/4	4,405.12	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,736.96	8	3,966.54	8	4,195.12	8	4,407.42	8		8		8		8		8		8	
1/4	3,741.75	1/4	3,971.32	1/4	4,199.90	1/4	4,408.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,746.53	1/2	3,976.10	1/2	4,204.69	1/2	4,409.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,751.32	3/4	3,980.89	3/4	4,209.47	3/4	4,410.96	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,756.10	9	3,985.67	9	4,214.26	9	4,412.14	9		9		9		9		9		9	
1/4	3,760.88	1/4	3,990.46	1/4	4,219.04	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,765.66	1/2	3,995.24	1/2	4,223.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,770.45	3/4	4,000.03	3/4	4,228.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,775.23	10	4,004.81	10	4,233.40	10		10		10		10		10		10		10	
1/4	3,780.00	1/4	4,009.58	1/4	4,238.18	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,784.77	1/2	4,014.35	1/2	4,242.97	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,789.55	3/4	4,019.12	3/4	4,247.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,794.32	11	4,023.88	11	4,252.54	11		11		11		11		11		11		11	
1/4	3,799.10	1/4	4,028.60	1/4	4,257.32	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,803.87	1/2	4,033.32	1/2	4,262.10	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,808.65	3/4	4,038.04	3/4	4,266.89	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/03/2015 SW-CL
CALCULATED: 08/03/2015 CL
PRINTED: 08/04/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
1 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
3 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 264'-03"

August 3, 2015

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 3007"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,696.83	0	4,330.90	0	3,963.60	0	3,596.35	0	3,228.99	0	2,861.63		
1/4		1/4		1/4		1/4	4,689.21	1/4	4,323.25	1/4	3,955.95	1/4	3,588.69	1/4	3,221.33	1/4	2,853.98		
1/2		1/2		1/2		1/2	4,681.58	1/2	4,315.59	1/2	3,948.30	1/2	3,581.04	1/2	3,213.68	1/2	2,846.32		
3/4		3/4		3/4		3/4	4,673.96	3/4	4,307.94	3/4	3,940.65	3/4	3,573.39	3/4	3,206.03	3/4	2,838.67		
1		1		1		1	5,000.12	1	4,666.33	1	4,300.29	1	3,933.00	1	3,565.73	1	3,198.37	1	2,831.02
1/4		1/4		1/4		1/4	4,996.07	1/4	4,658.70	1/4	4,292.63	1/4	3,925.35	1/4	3,558.08	1/4	3,190.72	1/4	2,823.36
1/2		1/2		1/2		1/2	4,992.02	1/2	4,651.08	1/2	4,284.98	1/2	3,917.69	1/2	3,550.43	1/2	3,183.07	1/2	2,815.71
3/4		3/4		3/4		3/4	4,987.98	3/4	4,643.45	3/4	4,277.33	3/4	3,910.04	3/4	3,542.77	3/4	3,175.41	3/4	2,808.06
2		2		2		2	4,983.93	2	4,635.83	2	4,269.67	2	3,902.39	2	3,535.12	2	3,167.76	2	2,800.40
1/4		1/4		1/4		1/4	4,978.79	1/4	4,628.20	1/4	4,262.02	1/4	3,894.73	1/4	3,527.47	1/4	3,160.11	1/4	2,792.75
1/2		1/2		1/2		1/2	4,973.66	1/2	4,620.58	1/2	4,254.36	1/2	3,887.08	1/2	3,519.81	1/2	3,152.45	1/2	2,785.10
3/4		3/4		3/4		3/4	4,968.53	3/4	4,612.95	3/4	4,246.71	3/4	3,879.43	3/4	3,512.16	3/4	3,144.80	3/4	2,777.44
3		3		3		3	4,963.39	3	4,605.33	3	4,239.06	3	3,871.77	3	3,504.51	3	3,137.15	3	2,769.79
1/4		1/4		1/4		1/4	4,957.16	1/4	4,597.70	1/4	4,231.40	1/4	3,864.12	1/4	3,496.85	1/4	3,129.49	1/4	2,762.14
1/2		1/2		1/2		1/2	4,950.93	1/2	4,590.08	1/2	4,223.75	1/2	3,856.47	1/2	3,489.20	1/2	3,121.84	1/2	2,754.48
3/4		3/4		3/4		3/4	4,944.71	3/4	4,582.45	3/4	4,216.10	3/4	3,848.81	3/4	3,481.55	3/4	3,114.19	3/4	2,746.83
4		4		4		4	4,938.48	4	4,574.82	4	4,208.44	4	3,841.16	4	3,473.89	4	3,106.53	4	2,739.18
1/4		1/4		1/4		1/4	4,931.28	1/4	4,567.20	1/4	4,200.79	1/4	3,833.50	1/4	3,466.24	1/4	3,098.88	1/4	2,731.52
1/2		1/2		1/2		1/2	4,924.08	1/2	4,559.57	1/2	4,193.14	1/2	3,825.85	1/2	3,458.59	1/2	3,091.23	1/2	2,723.87
3/4		3/4		3/4		3/4	4,916.87	3/4	4,551.95	3/4	4,185.48	3/4	3,818.20	3/4	3,450.93	3/4	3,083.57	3/4	2,716.22
5		5		5		5	4,909.67	5	4,544.32	5	4,177.83	5	3,810.54	5	3,443.28	5	3,075.92	5	2,708.56
1/4		1/4		1/4		1/4	4,902.13	1/4	4,536.70	1/4	4,170.18	1/4	3,802.90	1/4	3,435.63	1/4	3,068.27	1/4	2,700.91
1/2		1/2		1/2		1/2	4,894.59	1/2	4,529.07	1/2	4,162.52	1/2	3,795.26	1/2	3,427.97	1/2	3,060.61	1/2	2,693.26
3/4		3/4		3/4		3/4	4,887.05	3/4	4,521.45	3/4	4,154.87	3/4	3,787.61	3/4	3,420.32	3/4	3,052.96	3/4	2,685.60
6		6		6		6	4,879.51	6	4,513.82	6	4,147.21	6	3,779.97	6	3,412.67	6	3,045.31	6	2,677.95
1/4		1/4		1/4		1/4	4,871.93	1/4	4,506.20	1/4	4,139.56	1/4	3,772.33	1/4	3,405.01	1/4	3,037.65	1/4	2,670.30
1/2		1/2		1/2		1/2	4,864.34	1/2	4,498.57	1/2	4,131.91	1/2	3,764.69	1/2	3,397.36	1/2	3,030.00	1/2	2,662.64
3/4		3/4		3/4		3/4	4,856.76	3/4	4,490.95	3/4	4,124.25	3/4	3,757.04	3/4	3,389.71	3/4	3,022.35	3/4	2,654.99
7		7		7		7	4,849.17	7	4,483.32	7	4,116.60	7	3,749.40	7	3,382.05	7	3,014.69	7	2,647.34
1/4		1/4		1/4		1/4	4,841.58	1/4	4,475.72	1/4	4,108.95	1/4	3,741.75	1/4	3,374.40	1/4	3,007.04	1/4	2,639.68
1/2		1/2		1/2		1/2	4,833.99	1/2	4,468.12	1/2	4,101.29	1/2	3,734.10	1/2	3,366.75	1/2	2,999.39	1/2	2,632.03
3/4		3/4		3/4		3/4	4,826.39	3/4	4,460.52	3/4	4,093.64	3/4	3,726.45	3/4	3,359.09	3/4	2,991.73	3/4	2,624.38
8		8		8		8	4,818.80	8	4,452.91	8	4,085.99	8	3,718.80	8	3,351.44	8	2,984.08	8	2,616.72
1/4		1/4		1/4		1/4	4,811.19	1/4	4,445.30	1/4	4,078.33	1/4	3,711.14	1/4	3,343.79	1/4	2,976.43	1/4	2,609.07
1/2		1/2		1/2		1/2	4,803.57	1/2	4,437.69	1/2	4,070.68	1/2	3,703.49	1/2	3,336.13	1/2	2,968.77	1/2	2,601.42
3/4		3/4		3/4		3/4	4,795.95	3/4	4,430.07	3/4	4,063.02	3/4	3,695.84	3/4	3,328.48	3/4	2,961.12	3/4	2,593.76
9		9		9		9	4,788.34	9	4,422.46	9	4,055.37	9	3,688.18	9	3,320.83	9	2,953.47	9	2,586.11
1/4		1/4		1/4		1/4	4,780.71	1/4	4,414.83	1/4	4,047.72	1/4	3,680.53	1/4	3,313.17	1/4	2,945.81	1/4	2,578.46
1/2		1/2		1/2		1/2	4,773.09	1/2	4,407.21	1/2	4,040.06	1/2	3,672.88	1/2	3,305.52	1/2	2,938.16	1/2	2,570.80
3/4		3/4		3/4		3/4	4,765.46	3/4	4,399.59	3/4	4,032.41	3/4	3,665.22	3/4	3,297.87	3/4	2,930.51	3/4	2,563.15
10		10		10		10	4,757.83	10	4,391.97	10	4,024.76	10	3,657.57	10	3,290.21	10	2,922.85	10	2,555.50
1/4		1/4		1/4		1/4	4,750.21	1/4	4,384.35	1/4	4,017.11	1/4	3,649.92	1/4	3,282.56	1/4	2,915.20	1/4	2,547.84
1/2		1/2		1/2		1/2	4,742.58	1/2	4,376.73	1/2	4,009.47	1/2	3,642.27	1/2	3,274.91	1/2	2,907.55	1/2	2,540.19
3/4		3/4		3/4		3/4	4,734.96	3/4	4,369.11	3/4	4,001.82	3/4	3,634.61	3/4	3,267.25	3/4	2,899.89	3/4	2,532.54
11		11		11		11	4,727.33	11	4,361.48	11	3,994.18	11	3,626.96	11	3,259.60	11	2,892.24	11	2,524.88
1/4		1/4		1/4		1/4	4,719.71	1/4	4,353.84	1/4	3,986.53	1/4	3,619.31	1/4	3,251.95	1/4	2,884.59	1/4	2,517.23
1/2		1/2		1/2		1/2	4,712.08	1/2	4,346.19	1/2	3,978.89	1/2	3,611.65	1/2	3,244.29	1/2	2,876.94	1/2	2,509.58
3/4		3/4		3/4		3/4	4,704.46	3/4	4,338.55	3/4	3,971.25	3/4	3,604.00	3/4	3,236.64	3/4	2,869.28	3/4	2,501.92

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,494.27	0	2,126.88	0	1,759.48	0	1,392.09	0	1,024.69	0	658.15	0	292.63	0		0		0	
1/4	2,486.62	1/4	2,119.23	1/4	1,751.83	1/4	1,384.43	1/4	1,017.04	1/4	650.54	1/4	285.21	1/4		1/4		1/4	
1/2	2,478.96	1/2	2,111.57	1/2	1,744.18	1/2	1,376.78	1/2	1,009.38	1/2	642.93	1/2	277.80	1/2		1/2		1/2	
3/4	2,471.31	3/4	2,103.92	3/4	1,736.52	3/4	1,369.12	3/4	1,001.73	3/4	635.32	3/4	270.39	3/4		3/4		3/4	
1	2,463.66	1	2,096.26	1	1,728.87	1	1,361.47	1	994.07	1	627.71	1	262.98	1		1		1	
1/4	2,456.00	1/4	2,088.61	1/4	1,721.21	1/4	1,353.82	1/4	986.42	1/4	620.11	1/4	255.57	1/4		1/4		1/4	
1/2	2,448.35	1/2	2,080.96	1/2	1,713.56	1/2	1,346.16	1/2	978.77	1/2	612.50	1/2	248.15	1/2		1/2		1/2	
3/4	2,440.70	3/4	2,073.30	3/4	1,705.90	3/4	1,338.51	3/4	971.11	3/4	604.89	3/4	240.74	3/4		3/4		3/4	
2	2,433.04	2	2,065.65	2	1,698.25	2	1,330.85	2	963.46	2	597.28	2	233.33	2		2		2	
1/4	2,425.39	1/4	2,057.99	1/4	1,690.60	1/4	1,323.20	1/4	955.80	1/4	589.67	1/4	225.92	1/4		1/4		1/4	
1/2	2,417.74	1/2	2,050.34	1/2	1,682.94	1/2	1,315.55	1/2	948.15	1/2	582.06	1/2	218.51	1/2		1/2		1/2	
3/4	2,410.08	3/4	2,042.69	3/4	1,675.29	3/4	1,307.89	3/4	940.49	3/4	574.46	3/4	211.09	3/4		3/4		3/4	
3	2,402.43	3	2,035.03	3	1,667.63	3	1,300.24	3	932.84	3	566.85	3	203.68	3		3		3	
1/4	2,394.77	1/4	2,027.38	1/4	1,659.98	1/4	1,292.58	1/4	925.19	1/4	559.24	1/4	196.27	1/4		1/4		1/4	
1/2	2,387.12	1/2	2,019.72	1/2	1,652.33	1/2	1,284.93	1/2	917.53	1/2	551.63	1/2	188.86	1/2		1/2		1/2	
3/4	2,379.47	3/4	2,012.07	3/4	1,644.67	3/4	1,277.28	3/4	909.88	3/4	544.02	3/4	181.45	3/4		3/4		3/4	
4	2,371.81	4	2,004.41	4	1,637.02	4	1,269.62	4	902.22	4	536.41	4	174.03	4		4		4	
1/4	2,364.16	1/4	1,996.76	1/4	1,629.36	1/4	1,261.97	1/4	894.57	1/4	528.81	1/4	166.62	1/4		1/4		1/4	
1/2	2,356.50	1/2	1,989.11	1/2	1,621.71	1/2	1,254.31	1/2	886.92	1/2	521.20	1/2	159.21	1/2		1/2		1/2	
3/4	2,348.85	3/4	1,981.45	3/4	1,614.06	3/4	1,246.66	3/4	879.26	3/4	513.59	3/4	151.80	3/4		3/4		3/4	
5	2,341.20	5	1,973.80	5	1,606.40	5	1,239.00	5	871.61	5	505.98	5	144.39	5		5		5	
1/4	2,333.54	1/4	1,966.14	1/4	1,598.75	1/4	1,231.35	1/4	863.95	1/4	498.37	1/4	136.99	1/4		1/4		1/4	
1/2	2,325.89	1/2	1,958.49	1/2	1,591.09	1/2	1,223.70	1/2	856.30	1/2	490.76	1/2	129.58	1/2		1/2		1/2	
3/4	2,318.23	3/4	1,950.84	3/4	1,583.44	3/4	1,216.04	3/4	848.65	3/4	483.15	3/4	122.18	3/4		3/4		3/4	
6	2,310.58	6	1,943.18	6	1,575.79	6	1,208.39	6	840.99	6	475.55	6	114.78	6		6		6	
1/4	2,302.92	1/4	1,935.53	1/4	1,568.13	1/4	1,200.73	1/4	833.36	1/4	467.90	1/4	107.21	1/4		1/4		1/4	
1/2	2,295.27	1/2	1,927.87	1/2	1,560.48	1/2	1,193.08	1/2	825.72	1/2	460.26	1/2	99.65	1/2		1/2		1/2	
3/4	2,287.62	3/4	1,920.22	3/4	1,552.82	3/4	1,185.43	3/4	818.09	3/4	452.62	3/4	92.09	3/4		3/4		3/4	
7	2,279.96	7	1,912.57	7	1,545.17	7	1,177.77	7	810.45	7	444.98	7	84.52	7		7		7	
1/4	2,272.31	1/4	1,904.91	1/4	1,537.51	1/4	1,170.12	1/4	802.83	1/4	437.32	1/4	77.45	1/4		1/4		1/4	
1/2	2,264.65	1/2	1,897.26	1/2	1,529.86	1/2	1,162.46	1/2	795.20	1/2	429.67	1/2	70.38	1/2		1/2		1/2	
3/4	2,257.00	3/4	1,889.60	3/4	1,522.21	3/4	1,154.81	3/4	787.57	3/4	422.02	3/4	63.31	3/4		3/4		3/4	
8	2,249.35	8	1,881.95	8	1,514.55	8	1,147.16	8	779.94	8	414.36	8	56.24	8		8		8	
1/4	2,241.69	1/4	1,874.30	1/4	1,506.90	1/4	1,139.50	1/4	772.33	1/4	406.71	1/4	50.50	1/4		1/4		1/4	
1/2	2,234.04	1/2	1,866.64	1/2	1,499.24	1/2	1,131.85	1/2	764.71	1/2	399.05	1/2	44.76	1/2		1/2		1/2	
3/4	2,226.38	3/4	1,858.99	3/4	1,491.59	3/4	1,124.19	3/4	757.09	3/4	391.40	3/4	39.02	3/4		3/4		3/4	
9	2,218.73	9	1,851.33	9	1,483.94	9	1,116.54	9	749.47	9	383.75	9	33.28	9		9		9	
1/4	2,211.08	1/4	1,843.68	1/4	1,476.28	1/4	1,108.89	1/4	741.86	1/4	376.09	1/4	29.08	1/4		1/4		1/4	
1/2	2,203.42	1/2	1,836.02	1/2	1,468.63	1/2	1,101.23	1/2	734.25	1/2	368.44	1/2	24.87	1/2		1/2		1/2	
3/4	2,195.77	3/4	1,828.37	3/4	1,460.97	3/4	1,093.58	3/4	726.63	3/4	360.78	3/4	20.66	3/4		3/4		3/4	
10	2,188.11	10	1,820.72	10	1,453.32	10	1,085.92	10	719.02	10	353.13	10	16.45	10		10		10	
1/4	2,180.46	1/4	1,813.06	1/4	1,445.67	1/4	1,078.27	1/4	711.41	1/4	345.48	1/4		1/4		1/4		1/4	
1/2	2,172.81	1/2	1,805.41	1/2	1,438.01	1/2	1,070.61	1/2	703.80	1/2	337.82	1/2		1/2		1/2		1/2	
3/4	2,165.15	3/4	1,797.75	3/4	1,430.36	3/4	1,062.96	3/4	696.19	3/4	330.17	3/4		3/4		3/4		3/4	
11	2,157.50	11	1,790.10	11	1,422.70	11	1,055.31	11	688.58	11	322.51	11		11		11		11	
1/4	2,149.84	1/4	1,782.45	1/4	1,415.05	1/4	1,047.65	1/4	680.97	1/4	315.04	1/4		1/4		1/4		1/4	
1/2	2,142.19	1/2	1,774.79	1/2	1,407.40	1/2	1,040.00	1/2	673.36	1/2	307.57	1/2		1/2		1/2		1/2	
3/4	2,134.53	3/4	1,767.14	3/4	1,399.74	3/4	1,032.34	3/4	665.76	3/4	300.10	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/03/2015 SW-CL
CALCULATED: 08/03/2015 CL
PRINTED: 08/04/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,697.71	0	4,330.74	0	3,962.95	0	3,595.18	0	3,227.32	0	2,859.47		
1/4		1/4		1/4		1/4	4,690.08	1/4	4,323.08	1/4	3,955.29	1/4	3,587.52	1/4	3,219.66	1/4	2,851.80		
1/2		1/2		1/2		1/2	4,682.44	1/2	4,315.41	1/2	3,947.63	1/2	3,579.85	1/2	3,212.00	1/2	2,844.14		
3/4		3/4		3/4		3/4	5,009.06	3/4	4,674.80	3/4	4,307.75	3/4	3,939.96	3/4	3,572.19	3/4	3,204.33	3/4	2,836.48
1		1		1		1	5,005.01	1	4,667.17	1	4,300.08	1	3,932.30	1	3,564.53	1	3,196.67	1	2,828.81
1/4		1/4		1/4		1/4	5,000.95	1/4	4,659.53	1/4	4,292.42	1/4	3,924.64	1/4	3,556.86	1/4	3,189.01	1/4	2,821.15
1/2		1/2		1/2		1/2	4,996.90	1/2	4,651.90	1/2	4,284.76	1/2	3,916.97	1/2	3,549.20	1/2	3,181.34	1/2	2,813.48
3/4		3/4		3/4		3/4	4,992.85	3/4	4,644.26	3/4	4,277.09	3/4	3,909.31	3/4	3,541.54	3/4	3,173.68	3/4	2,805.82
2		2		2		2	4,987.70	2	4,636.63	2	4,269.43	2	3,901.64	2	3,533.87	2	3,166.01	2	2,798.16
1/4		1/4		1/4		1/4	4,982.56	1/4	4,628.99	1/4	4,261.76	1/4	3,893.98	1/4	3,526.21	1/4	3,158.35	1/4	2,790.49
1/2		1/2		1/2		1/2	4,977.42	1/2	4,621.35	1/2	4,254.10	1/2	3,886.32	1/2	3,518.54	1/2	3,150.69	1/2	2,782.83
3/4		3/4		3/4		3/4	4,972.28	3/4	4,613.72	3/4	4,246.44	3/4	3,878.65	3/4	3,510.88	3/4	3,143.02	3/4	2,775.17
3		3		3		3	4,966.04	3	4,606.08	3	4,238.77	3	3,870.99	3	3,503.22	3	3,135.36	3	2,767.50
1/4		1/4		1/4		1/4	4,959.81	1/4	4,598.45	1/4	4,231.11	1/4	3,863.32	1/4	3,495.55	1/4	3,127.70	1/4	2,759.84
1/2		1/2		1/2		1/2	4,953.57	1/2	4,590.81	1/2	4,223.44	1/2	3,855.66	1/2	3,487.89	1/2	3,120.03	1/2	2,752.17
3/4		3/4		3/4		3/4	4,947.33	3/4	4,583.17	3/4	4,215.78	3/4	3,848.00	3/4	3,480.23	3/4	3,112.37	3/4	2,744.51
4		4		4		4	4,940.12	4	4,575.54	4	4,208.12	4	3,840.33	4	3,472.56	4	3,104.71	4	2,736.85
1/4		1/4		1/4		1/4	4,932.91	1/4	4,567.90	1/4	4,200.45	1/4	3,832.67	1/4	3,464.90	1/4	3,097.04	1/4	2,729.18
1/2		1/2		1/2		1/2	4,925.70	1/2	4,560.27	1/2	4,192.79	1/2	3,825.00	1/2	3,457.24	1/2	3,089.38	1/2	2,721.52
3/4		3/4		3/4		3/4	4,918.49	3/4	4,552.63	3/4	4,185.12	3/4	3,817.34	3/4	3,449.57	3/4	3,081.71	3/4	2,713.86
5		5		5		5	4,910.94	5	4,545.00	5	4,177.46	5	3,809.69	5	3,441.91	5	3,074.05	5	2,706.19
1/4		1/4		1/4		1/4	4,903.39	1/4	4,537.36	1/4	4,169.80	1/4	3,802.03	1/4	3,434.24	1/4	3,066.39	1/4	2,698.53
1/2		1/2		1/2		1/2	4,895.84	1/2	4,529.72	1/2	4,162.13	1/2	3,794.38	1/2	3,426.58	1/2	3,058.72	1/2	2,690.87
3/4		3/4		3/4		3/4	4,888.29	3/4	4,522.09	3/4	4,154.47	3/4	3,786.72	3/4	3,418.92	3/4	3,051.06	3/4	2,683.20
6		6		6		6	4,880.69	6	4,514.45	6	4,146.80	6	3,779.07	6	3,411.25	6	3,043.40	6	2,675.54
1/4		1/4		1/4		1/4	4,873.09	1/4	4,506.82	1/4	4,139.14	1/4	3,771.42	1/4	3,403.59	1/4	3,035.73	1/4	2,667.87
1/2		1/2		1/2		1/2	4,865.49	1/2	4,499.18	1/2	4,131.48	1/2	3,763.77	1/2	3,395.93	1/2	3,028.07	1/2	2,660.21
3/4		3/4		3/4		3/4	4,857.90	3/4	4,491.55	3/4	4,123.81	3/4	3,756.12	3/4	3,388.26	3/4	3,020.40	3/4	2,652.55
7		7		7		7	4,850.29	7	4,483.91	7	4,116.15	7	3,748.45	7	3,380.60	7	3,012.74	7	2,644.88
1/4		1/4		1/4		1/4	4,842.69	1/4	4,476.27	1/4	4,108.48	1/4	3,740.79	1/4	3,372.93	1/4	3,005.08	1/4	2,637.22
1/2		1/2		1/2		1/2	4,835.09	1/2	4,468.64	1/2	4,100.82	1/2	3,733.13	1/2	3,365.27	1/2	2,997.41	1/2	2,629.56
3/4		3/4		3/4		3/4	4,827.49	3/4	4,461.00	3/4	4,093.16	3/4	3,725.46	3/4	3,357.61	3/4	2,989.75	3/4	2,621.89
8		8		8		8	4,819.86	8	4,453.34	8	4,085.49	8	3,717.80	8	3,349.94	8	2,982.09	8	2,614.23
1/4		1/4		1/4		1/4	4,812.23	1/4	4,445.69	1/4	4,077.83	1/4	3,710.14	1/4	3,342.28	1/4	2,974.42	1/4	2,606.56
1/2		1/2		1/2		1/2	4,804.60	1/2	4,438.03	1/2	4,070.16	1/2	3,702.47	1/2	3,334.62	1/2	2,966.76	1/2	2,598.90
3/4		3/4		3/4		3/4	4,796.98	3/4	4,430.37	3/4	4,062.50	3/4	3,694.81	3/4	3,326.95	3/4	2,959.09	3/4	2,591.24
9		9		9		9	4,789.34	9	4,422.71	9	4,054.84	9	3,687.15	9	3,319.29	9	2,951.43	9	2,583.57
1/4		1/4		1/4		1/4	4,781.71	1/4	4,415.04	1/4	4,047.17	1/4	3,679.48	1/4	3,311.63	1/4	2,943.77	1/4	2,575.91
1/2		1/2		1/2		1/2	4,774.07	1/2	4,407.38	1/2	4,039.51	1/2	3,671.82	1/2	3,303.96	1/2	2,936.10	1/2	2,568.25
3/4		3/4		3/4		3/4	4,766.43	3/4	4,399.72	3/4	4,031.84	3/4	3,664.16	3/4	3,296.30	3/4	2,928.44	3/4	2,560.58
10		10		10		10	4,758.80	10	4,392.05	10	4,024.19	10	3,656.49	10	3,288.63	10	2,920.78	10	2,552.92
1/4		1/4		1/4		1/4	4,751.16	1/4	4,384.39	1/4	4,016.53	1/4	3,648.83	1/4	3,280.97	1/4	2,913.11	1/4	2,545.26
1/2		1/2		1/2		1/2	4,743.53	1/2	4,376.72	1/2	4,008.88	1/2	3,641.16	1/2	3,273.31	1/2	2,905.45	1/2	2,537.59
3/4		3/4		3/4		3/4	4,735.89	3/4	4,369.06	3/4	4,001.22	3/4	3,633.50	3/4	3,265.64	3/4	2,897.79	3/4	2,529.93
11		11		11		11	4,728.26	11	4,361.40	11	3,993.57	11	3,625.84	11	3,257.98	11	2,890.12	11	2,522.26
1/4		1/4		1/4		1/4	4,720.62	1/4	4,353.73	1/4	3,985.92	1/4	3,618.17	1/4	3,250.32	1/4	2,882.46	1/4	2,514.60
1/2		1/2		1/2		1/2	4,712.98	1/2	4,346.07	1/2	3,978.26	1/2	3,610.51	1/2	3,242.65	1/2	2,874.79	1/2	2,506.94
3/4		3/4		3/4		3/4	4,705.35	3/4	4,338.40	3/4	3,970.61	3/4	3,602.85	3/4	3,234.99	3/4	2,867.13	3/4	2,499.27

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,491.61	0	2,123.71	0	1,755.82	0	1,387.92	0	1,020.03	0	652.26	0	285.60	0		0		0	
1/4	2,483.95	1/4	2,116.05	1/4	1,748.15	1/4	1,380.26	1/4	1,012.36	1/4	644.61	1/4	278.18	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,476.28	1/2	2,108.38	1/2	1,740.49	1/2	1,372.59	1/2	1,004.70	1/2	636.96	1/2	270.76	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,468.62	3/4	2,100.72	3/4	1,732.82	3/4	1,364.93	3/4	997.03	3/4	629.30	3/4	263.34	3/4	3/4	3/4	3/4	3/4	3/4
1	2,460.95	1	2,093.06	1	1,725.16	1	1,357.26	1	989.37	1	621.65	1	255.91	1	1	1	1	1	1
1/4	2,453.29	1/4	2,085.39	1/4	1,717.50	1/4	1,349.60	1/4	981.70	1/4	613.99	1/4	248.49	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,445.63	1/2	2,077.73	1/2	1,709.83	1/2	1,341.93	1/2	974.04	1/2	606.34	1/2	241.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,437.96	3/4	2,070.06	3/4	1,702.17	3/4	1,334.27	3/4	966.37	3/4	598.69	3/4	233.65	3/4	3/4	3/4	3/4	3/4	3/4
2	2,430.30	2	2,062.40	2	1,694.50	2	1,326.61	2	958.71	2	591.03	2	226.22	2	2	2	2	2	2
1/4	2,422.63	1/4	2,054.73	1/4	1,686.84	1/4	1,318.94	1/4	951.05	1/4	583.38	1/4	218.80	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,414.97	1/2	2,047.07	1/2	1,679.17	1/2	1,311.28	1/2	943.38	1/2	575.73	1/2	211.38	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,407.30	3/4	2,039.40	3/4	1,671.51	3/4	1,303.61	3/4	935.72	3/4	568.07	3/4	203.96	3/4	3/4	3/4	3/4	3/4	3/4
3	2,399.64	3	2,031.74	3	1,663.84	3	1,295.95	3	928.05	3	560.42	3	196.54	3	3	3	3	3	3
1/4	2,391.97	1/4	2,024.08	1/4	1,656.18	1/4	1,288.28	1/4	920.39	1/4	552.77	1/4	189.11	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,384.31	1/2	2,016.41	1/2	1,648.51	1/2	1,280.62	1/2	912.72	1/2	545.11	1/2	181.69	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,376.64	3/4	2,008.75	3/4	1,640.85	3/4	1,272.95	3/4	905.06	3/4	537.46	3/4	174.27	3/4	3/4	3/4	3/4	3/4	3/4
4	2,368.98	4	2,001.08	4	1,633.19	4	1,265.29	4	897.39	4	529.81	4	166.85	4	4	4	4	4	4
1/4	2,361.31	1/4	1,993.42	1/4	1,625.52	1/4	1,257.63	1/4	889.73	1/4	522.15	1/4	159.43	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,353.65	1/2	1,985.75	1/2	1,617.86	1/2	1,249.96	1/2	882.06	1/2	514.50	1/2	152.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,345.98	3/4	1,978.09	3/4	1,610.19	3/4	1,242.30	3/4	874.40	3/4	506.85	3/4	144.58	3/4	3/4	3/4	3/4	3/4	3/4
5	2,338.32	5	1,970.42	5	1,602.53	5	1,234.63	5	866.74	5	499.19	5	137.17	5	5	5	5	5	5
1/4	2,330.66	1/4	1,962.76	1/4	1,594.86	1/4	1,226.97	1/4	859.07	1/4	491.54	1/4	129.76	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,322.99	1/2	1,955.09	1/2	1,587.20	1/2	1,219.30	1/2	851.41	1/2	483.89	1/2	122.34	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,315.33	3/4	1,947.43	3/4	1,579.53	3/4	1,211.64	3/4	843.74	3/4	476.23	3/4	114.93	3/4	3/4	3/4	3/4	3/4	3/4
6	2,307.66	6	1,939.77	6	1,571.87	6	1,203.97	6	836.08	6	468.57	6	107.35	6	6	6	6	6	6
1/4	2,300.00	1/4	1,932.10	1/4	1,564.21	1/4	1,196.31	1/4	828.41	1/4	460.91	1/4	99.78	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,292.33	1/2	1,924.44	1/2	1,556.54	1/2	1,188.64	1/2	820.75	1/2	453.25	1/2	92.21	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,284.67	3/4	1,916.77	3/4	1,548.88	3/4	1,180.98	3/4	813.08	3/4	445.59	3/4	84.63	3/4	3/4	3/4	3/4	3/4	3/4
7	2,277.00	7	1,909.11	7	1,541.21	7	1,173.32	7	805.42	7	437.92	7	77.55	7	7	7	7	7	7
1/4	2,269.34	1/4	1,901.44	1/4	1,533.55	1/4	1,165.65	1/4	797.76	1/4	430.26	1/4	70.47	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,261.67	1/2	1,893.78	1/2	1,525.88	1/2	1,157.99	1/2	790.09	1/2	422.59	1/2	63.39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,254.01	3/4	1,886.11	3/4	1,518.22	3/4	1,150.32	3/4	782.43	3/4	414.93	3/4	56.31	3/4	3/4	3/4	3/4	3/4	3/4
8	2,246.35	8	1,878.45	8	1,510.55	8	1,142.66	8	774.77	8	407.26	8	50.57	8	8	8	8	8	8
1/4	2,238.68	1/4	1,870.79	1/4	1,502.89	1/4	1,134.99	1/4	767.11	1/4	399.60	1/4	44.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,231.02	1/2	1,863.12	1/2	1,495.22	1/2	1,127.33	1/2	759.45	1/2	391.94	1/2	39.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,223.35	3/4	1,855.46	3/4	1,487.56	3/4	1,119.66	3/4	751.79	3/4	384.27	3/4	33.32	3/4	3/4	3/4	3/4	3/4	3/4
9	2,215.69	9	1,847.79	9	1,479.90	9	1,112.00	9	744.13	9	376.61	9	29.11	9	9	9	9	9	9
1/4	2,208.02	1/4	1,840.13	1/4	1,472.23	1/4	1,104.34	1/4	736.47	1/4	368.94	1/4	24.89	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,200.36	1/2	1,832.46	1/2	1,464.57	1/2	1,096.67	1/2	728.81	1/2	361.28	1/2	20.68	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,192.69	3/4	1,824.80	3/4	1,456.90	3/4	1,089.01	3/4	721.15	3/4	353.61	3/4	16.47	3/4	3/4	3/4	3/4	3/4	3/4
10	2,185.03	10	1,817.13	10	1,449.24	10	1,081.34	10	713.49	10	345.95	10		10	10	10	10	10	10
1/4	2,177.37	1/4	1,809.47	1/4	1,441.57	1/4	1,073.68	1/4	705.84	1/4	338.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,169.70	1/2	1,801.80	1/2	1,433.91	1/2	1,066.01	1/2	698.18	1/2	330.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,162.04	3/4	1,794.14	3/4	1,426.24	3/4	1,058.35	3/4	690.53	3/4	322.96	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,154.37	11	1,786.48	11	1,418.58	11	1,050.68	11	682.88	11	315.47	11		11	11	11	11	11	11
1/4	2,146.71	1/4	1,778.81	1/4	1,410.92	1/4	1,043.02	1/4	675.22	1/4	307.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,139.04	1/2	1,771.15	1/2	1,403.25	1/2	1,035.35	1/2	667.57	1/2	300.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,131.38	3/4	1,763.48	3/4	1,395.59	3/4	1,027.69	3/4	659.92	3/4	293.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/03/2015 SW-CL
CALCULATED: 08/03/2015 CL
PRINTED: 08/04/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,706.91	0	4,339.24	0	3,968.90	0	3,598.58	0	3,228.18	0	2,857.77		
1/4		1/4		1/4		1/4	4,699.22	1/4	4,331.52	1/4	3,961.18	1/4	3,590.87	1/4	3,220.46	1/4	2,850.05		
1/2		1/2		1/2		1/2	5,028.12	1/2	4,691.53	1/2	4,323.80	1/2	3,953.47	1/2	3,583.15	1/2	3,212.74	1/2	2,842.34
3/4		3/4		3/4		3/4	5,024.04	3/4	4,683.84	3/4	4,316.08	3/4	3,945.75	3/4	3,575.43	3/4	3,205.03	3/4	2,834.62
1		1		1		1	5,019.96	1	4,676.15	1	4,308.37	1	3,938.03	1	3,567.72	1	3,197.31	1	2,826.90
1/4		1/4		1/4		1/4	5,015.87	1/4	4,668.47	1/4	4,300.65	1/4	3,930.32	1/4	3,560.00	1/4	3,189.59	1/4	2,819.19
1/2		1/2		1/2		1/2	5,011.79	1/2	4,660.78	1/2	4,292.93	1/2	3,922.60	1/2	3,552.28	1/2	3,181.88	1/2	2,811.47
3/4		3/4		3/4		3/4	5,006.62	3/4	4,653.09	3/4	4,285.22	3/4	3,914.88	3/4	3,544.57	3/4	3,174.16	3/4	2,803.75
2		2		2		2	5,001.44	2	4,645.40	2	4,277.50	2	3,907.17	2	3,536.85	2	3,166.44	2	2,796.04
1/4		1/4		1/4		1/4	4,996.26	1/4	4,637.71	1/4	4,269.78	1/4	3,899.45	1/4	3,529.13	1/4	3,158.73	1/4	2,788.32
1/2		1/2		1/2		1/2	4,991.08	1/2	4,630.02	1/2	4,262.06	1/2	3,891.73	1/2	3,521.42	1/2	3,151.01	1/2	2,780.60
3/4		3/4		3/4		3/4	4,984.80	3/4	4,622.33	3/4	4,254.35	3/4	3,884.01	3/4	3,513.70	3/4	3,143.29	3/4	2,772.89
3		3		3		3	4,978.52	3	4,614.64	3	4,246.63	3	3,876.30	3	3,505.98	3	3,135.58	3	2,765.17
1/4		1/4		1/4		1/4	4,972.24	1/4	4,606.96	1/4	4,238.91	1/4	3,868.58	1/4	3,498.27	1/4	3,127.86	1/4	2,757.45
1/2		1/2		1/2		1/2	4,965.96	1/2	4,599.27	1/2	4,231.20	1/2	3,860.86	1/2	3,490.55	1/2	3,120.14	1/2	2,749.74
3/4		3/4		3/4		3/4	4,958.70	3/4	4,591.58	3/4	4,223.48	3/4	3,853.15	3/4	3,482.83	3/4	3,112.43	3/4	2,742.02
4		4		4		4	4,951.44	4	4,583.89	4	4,215.76	4	3,845.43	4	3,475.12	4	3,104.71	4	2,734.30
1/4		1/4		1/4		1/4	4,944.18	1/4	4,576.20	1/4	4,208.04	1/4	3,837.71	1/4	3,467.40	1/4	3,096.99	1/4	2,726.59
1/2		1/2		1/2		1/2	4,936.92	1/2	4,568.51	1/2	4,200.33	1/2	3,829.99	1/2	3,459.68	1/2	3,089.28	1/2	2,718.87
3/4		3/4		3/4		3/4	4,929.31	3/4	4,560.82	3/4	4,192.61	3/4	3,822.29	3/4	3,451.96	3/4	3,081.56	3/4	2,711.15
5		5		5		5	4,921.71	5	4,553.13	5	4,184.89	5	3,814.58	5	3,444.25	5	3,073.84	5	2,703.44
1/4		1/4		1/4		1/4	4,914.11	1/4	4,545.45	1/4	4,177.18	1/4	3,806.87	1/4	3,436.53	1/4	3,066.12	1/4	2,695.72
1/2		1/2		1/2		1/2	4,906.50	1/2	4,537.76	1/2	4,169.46	1/2	3,799.16	1/2	3,428.81	1/2	3,058.41	1/2	2,688.00
3/4		3/4		3/4		3/4	4,898.85	3/4	4,530.07	3/4	4,161.74	3/4	3,791.46	3/4	3,421.10	3/4	3,050.69	3/4	2,680.28
6		6		6		6	4,891.20	6	4,522.38	6	4,154.02	6	3,783.75	6	3,413.38	6	3,042.97	6	2,672.57
1/4		1/4		1/4		1/4	4,883.55	1/4	4,514.69	1/4	4,146.31	1/4	3,776.05	1/4	3,405.66	1/4	3,035.26	1/4	2,664.85
1/2		1/2		1/2		1/2	4,875.90	1/2	4,507.00	1/2	4,138.59	1/2	3,768.35	1/2	3,397.95	1/2	3,027.54	1/2	2,657.13
3/4		3/4		3/4		3/4	4,868.25	3/4	4,499.40	3/4	4,130.87	3/4	3,760.63	3/4	3,390.23	3/4	3,019.82	3/4	2,649.42
7		7		7		7	4,860.59	7	4,491.80	7	4,123.16	7	3,752.92	7	3,382.51	7	3,012.11	7	2,641.70
1/4		1/4		1/4		1/4	4,852.93	1/4	4,484.20	1/4	4,115.44	1/4	3,745.20	1/4	3,374.80	1/4	3,004.39	1/4	2,633.98
1/2		1/2		1/2		1/2	4,845.28	1/2	4,476.60	1/2	4,107.72	1/2	3,737.49	1/2	3,367.08	1/2	2,996.67	1/2	2,626.27
3/4		3/4		3/4		3/4	4,837.60	3/4	4,469.00	3/4	4,100.00	3/4	3,729.77	3/4	3,359.36	3/4	2,988.96	3/4	2,618.55
8		8		8		8	4,829.92	8	4,461.41	8	4,092.29	8	3,722.05	8	3,351.65	8	2,981.24	8	2,610.83
1/4		1/4		1/4		1/4	4,822.23	1/4	4,453.82	1/4	4,084.57	1/4	3,714.34	1/4	3,343.93	1/4	2,973.52	1/4	2,603.12
1/2		1/2		1/2		1/2	4,814.55	1/2	4,446.22	1/2	4,076.85	1/2	3,706.62	1/2	3,336.21	1/2	2,965.81	1/2	2,595.40
3/4		3/4		3/4		3/4	4,806.86	3/4	4,438.62	3/4	4,069.14	3/4	3,698.90	3/4	3,328.50	3/4	2,958.09	3/4	2,587.68
9		9		9		9	4,799.18	9	4,431.02	9	4,061.42	9	3,691.19	9	3,320.78	9	2,950.37	9	2,579.97
1/4		1/4		1/4		1/4	4,791.49	1/4	4,423.42	1/4	4,053.70	1/4	3,683.47	1/4	3,313.06	1/4	2,942.66	1/4	2,572.25
1/2		1/2		1/2		1/2	4,783.80	1/2	4,415.82	1/2	4,045.99	1/2	3,675.75	1/2	3,305.35	1/2	2,934.94	1/2	2,564.53
3/4		3/4		3/4		3/4	4,776.11	3/4	4,408.22	3/4	4,038.28	3/4	3,668.04	3/4	3,297.63	3/4	2,927.22	3/4	2,556.82
10		10		10		10	4,768.42	10	4,400.62	10	4,030.57	10	3,660.32	10	3,289.91	10	2,919.51	10	2,549.10
1/4		1/4		1/4		1/4	4,760.73	1/4	4,393.02	1/4	4,022.86	1/4	3,652.60	1/4	3,282.20	1/4	2,911.79	1/4	2,541.38
1/2		1/2		1/2		1/2	4,753.04	1/2	4,385.42	1/2	4,015.15	1/2	3,644.88	1/2	3,274.48	1/2	2,904.07	1/2	2,533.67
3/4		3/4		3/4		3/4	4,745.35	3/4	4,377.73	3/4	4,007.44	3/4	3,637.17	3/4	3,266.76	3/4	2,896.36	3/4	2,525.95
11		11		11		11	4,737.67	11	4,370.05	11	3,999.74	11	3,629.45	11	3,259.04	11	2,888.64	11	2,518.23
1/4		1/4		1/4		1/4	4,729.98	1/4	4,362.36	1/4	3,992.03	1/4	3,621.73	1/4	3,251.33	1/4	2,880.92	1/4	2,510.52
1/2		1/2		1/2		1/2	4,722.29	1/2	4,354.67	1/2	3,984.33	1/2	3,614.02	1/2	3,243.61	1/2	2,873.20	1/2	2,502.80
3/4		3/4		3/4		3/4	4,714.60	3/4	4,346.95	3/4	3,976.61	3/4	3,606.30	3/4	3,235.89	3/4	2,865.49	3/4	2,495.08

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,487.36	0	2,116.93	0	1,746.48	0	1,376.04	0	1,005.59	0	642.51	0	280.14	0		0		0	
1/4	2,479.65	1/4	2,109.21	1/4	1,738.76	1/4	1,368.32	1/4	997.87	1/4	635.10	1/4	272.67	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,471.93	1/2	2,101.49	1/2	1,731.05	1/2	1,360.60	1/2	990.16	1/2	627.68	1/2	265.19	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,464.21	3/4	2,093.77	3/4	1,723.33	3/4	1,352.88	3/4	982.44	3/4	620.26	3/4	257.72	3/4	3/4	3/4	3/4	3/4	3/4
1	2,456.50	1	2,086.05	1	1,715.61	1	1,345.17	1	974.72	1	612.84	1	250.24	1	1	1	1	1	1
1/4	2,448.78	1/4	2,078.34	1/4	1,707.89	1/4	1,337.45	1/4	967.00	1/4	605.42	1/4	242.77	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,441.06	1/2	2,070.62	1/2	1,700.17	1/2	1,329.73	1/2	959.29	1/2	598.00	1/2	235.29	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,433.35	3/4	2,062.90	3/4	1,692.46	3/4	1,322.01	3/4	951.57	3/4	590.58	3/4	227.82	3/4	3/4	3/4	3/4	3/4	3/4
2	2,425.63	2	2,055.18	2	1,684.74	2	1,314.29	2	943.85	2	583.16	2	220.34	2	2	2	2	2	2
1/4	2,417.91	1/4	2,047.47	1/4	1,677.02	1/4	1,306.58	1/4	936.13	1/4	575.74	1/4	212.87	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,410.19	1/2	2,039.75	1/2	1,669.30	1/2	1,298.86	1/2	928.41	1/2	568.32	1/2	205.39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,402.48	3/4	2,032.03	3/4	1,661.59	3/4	1,291.14	3/4	920.70	3/4	560.90	3/4	197.92	3/4	3/4	3/4	3/4	3/4	3/4
3	2,394.76	3	2,024.31	3	1,653.87	3	1,283.42	3	912.98	3	553.48	3	190.44	3	3	3	3	3	3
1/4	2,387.04	1/4	2,016.60	1/4	1,646.15	1/4	1,275.71	1/4	905.26	1/4	546.06	1/4	182.96	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,379.32	1/2	2,008.88	1/2	1,638.43	1/2	1,267.99	1/2	897.54	1/2	538.64	1/2	175.49	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,371.61	3/4	2,001.16	3/4	1,630.72	3/4	1,260.27	3/4	889.83	3/4	531.22	3/4	168.01	3/4	3/4	3/4	3/4	3/4	3/4
4	2,363.89	4	1,993.44	4	1,623.00	4	1,252.55	4	882.11	4	523.80	4	160.54	4	4	4	4	4	4
1/4	2,356.17	1/4	1,985.73	1/4	1,615.28	1/4	1,244.84	1/4	874.39	1/4	516.39	1/4	153.07	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,348.45	1/2	1,978.01	1/2	1,607.56	1/2	1,237.12	1/2	866.67	1/2	508.97	1/2	145.59	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,340.74	3/4	1,970.29	3/4	1,599.85	3/4	1,229.40	3/4	858.96	3/4	501.55	3/4	138.12	3/4	3/4	3/4	3/4	3/4	3/4
5	2,333.02	5	1,962.57	5	1,592.13	5	1,221.68	5	851.24	5	494.13	5	130.66	5	5	5	5	5	5
1/4	2,325.30	1/4	1,954.86	1/4	1,584.41	1/4	1,213.97	1/4	843.52	1/4	486.71	1/4	123.19	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,317.58	1/2	1,947.14	1/2	1,576.69	1/2	1,206.25	1/2	835.80	1/2	479.29	1/2	115.72	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,309.87	3/4	1,939.42	3/4	1,568.98	3/4	1,198.53	3/4	828.31	3/4	471.65	3/4	108.10	3/4	3/4	3/4	3/4	3/4	3/4
6	2,302.15	6	1,931.70	6	1,561.26	6	1,190.81	6	820.81	6	464.00	6	100.47	6	6	6	6	6	6
1/4	2,294.43	1/4	1,923.99	1/4	1,553.54	1/4	1,183.10	1/4	813.31	1/4	456.36	1/4	92.84	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,286.71	1/2	1,916.27	1/2	1,545.82	1/2	1,175.38	1/2	805.81	1/2	448.72	1/2	85.22	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,278.99	3/4	1,908.55	3/4	1,538.11	3/4	1,167.66	3/4	798.39	3/4	441.00	3/4	78.09	3/4	3/4	3/4	3/4	3/4	3/4
7	2,271.28	7	1,900.83	7	1,530.39	7	1,159.94	7	790.96	7	433.28	7	70.96	7	7	7	7	7	7
1/4	2,263.56	1/4	1,893.11	1/4	1,522.67	1/4	1,152.23	1/4	783.54	1/4	425.56	1/4	63.83	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,255.84	1/2	1,885.40	1/2	1,514.95	1/2	1,144.51	1/2	776.11	1/2	417.85	1/2	56.70	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,248.12	3/4	1,877.68	3/4	1,507.23	3/4	1,136.79	3/4	768.69	3/4	410.13	3/4	50.92	3/4	3/4	3/4	3/4	3/4	3/4
8	2,240.41	8	1,869.96	8	1,499.52	8	1,129.07	8	761.26	8	402.41	8	45.13	8	8	8	8	8	8
1/4	2,232.69	1/4	1,862.24	1/4	1,491.80	1/4	1,121.35	1/4	753.84	1/4	394.70	1/4	39.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,224.97	1/2	1,854.53	1/2	1,484.08	1/2	1,113.64	1/2	746.41	1/2	386.98	1/2	33.55	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,217.25	3/4	1,846.81	3/4	1,476.36	3/4	1,105.92	3/4	738.99	3/4	379.26	3/4	29.31	3/4	3/4	3/4	3/4	3/4	3/4
9	2,209.54	9	1,839.09	9	1,468.65	9	1,098.20	9	731.56	9	371.54	9	25.07	9	9	9	9	9	9
1/4	2,201.82	1/4	1,831.37	1/4	1,460.93	1/4	1,090.48	1/4	724.14	1/4	363.83	1/4	20.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,194.10	1/2	1,823.66	1/2	1,453.21	1/2	1,082.77	1/2	716.71	1/2	356.11	1/2	16.58	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,186.38	3/4	1,815.94	3/4	1,445.49	3/4	1,075.05	3/4	709.29	3/4	348.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,178.67	10	1,808.22	10	1,437.78	10	1,067.33	10	701.87	10	340.67	10		10	10	10	10	10	10
1/4	2,170.95	1/4	1,800.50	1/4	1,430.06	1/4	1,059.61	1/4	694.45	1/4	332.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,163.23	1/2	1,792.79	1/2	1,422.34	1/2	1,051.90	1/2	687.03	1/2	325.24	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,155.51	3/4	1,785.07	3/4	1,414.62	3/4	1,044.18	3/4	679.61	3/4	317.70	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,147.80	11	1,777.35	11	1,406.91	11	1,036.46	11	672.19	11	310.17	11		11	11	11	11	11	11
1/4	2,140.08	1/4	1,769.63	1/4	1,399.19	1/4	1,028.74	1/4	664.77	1/4	302.63	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,132.36	1/2	1,761.92	1/2	1,391.47	1/2	1,021.03	1/2	657.35	1/2	295.10	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,124.64	3/4	1,754.20	3/4	1,383.75	3/4	1,013.31	3/4	649.93	3/4	287.62	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/03/2015 SW-CL
CALCULATED: 08/03/2015 CL
PRINTED: 08/04/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,749.41	0	4,379.51	0	4,006.94	0	3,634.40	0	3,261.77	0	2,889.13		
1/4		1/4		1/4		1/4	4,741.68	1/4	4,371.74	1/4	3,999.18	1/4	3,626.64	1/4	3,254.00	1/4	2,881.37		
1/2		1/2		1/2		1/2	5,072.56	1/2	4,363.98	1/2	3,991.42	1/2	3,618.87	1/2	3,246.24	1/2	2,873.61		
3/4		3/4		3/4		3/4	5,068.45	3/4	4,726.20	3/4	4,356.22	3/4	3,983.65	3/4	3,611.11	3/4	3,238.48	3/4	2,865.84
1		1		1		1	5,064.35	1	4,718.47	1	4,348.45	1	3,975.89	1	3,603.35	1	3,230.71	1	2,858.08
1/4		1/4		1/4		1/4	5,060.24	1/4	4,710.73	1/4	4,340.69	1/4	3,968.13	1/4	3,595.58	1/4	3,222.95	1/4	2,850.32
1/2		1/2		1/2		1/2	5,056.13	1/2	4,703.00	1/2	4,332.92	1/2	3,960.36	1/2	3,587.82	1/2	3,215.19	1/2	2,842.55
3/4		3/4		3/4		3/4	5,050.92	3/4	4,695.26	3/4	4,325.16	3/4	3,952.60	3/4	3,580.06	3/4	3,207.42	3/4	2,834.79
2		2		2		2	5,045.72	2	4,687.53	2	4,317.40	2	3,944.84	2	3,572.29	2	3,199.66	2	2,827.03
1/4		1/4		1/4		1/4	5,040.51	1/4	4,679.79	1/4	4,309.63	1/4	3,937.07	1/4	3,564.53	1/4	3,191.90	1/4	2,819.26
1/2		1/2		1/2		1/2	5,035.30	1/2	4,672.06	1/2	4,301.87	1/2	3,929.31	1/2	3,556.77	1/2	3,184.13	1/2	2,811.50
3/4		3/4		3/4		3/4	5,028.98	3/4	4,664.32	3/4	4,294.11	3/4	3,921.55	3/4	3,549.01	3/4	3,176.37	3/4	2,803.74
3		3		3		3	5,022.66	3	4,656.59	3	4,286.34	3	3,913.78	3	3,541.24	3	3,168.61	3	2,795.97
1/4		1/4		1/4		1/4	5,016.34	1/4	4,648.85	1/4	4,278.58	1/4	3,906.02	1/4	3,533.48	1/4	3,160.85	1/4	2,788.21
1/2		1/2		1/2		1/2	5,010.02	1/2	4,641.12	1/2	4,270.82	1/2	3,898.26	1/2	3,525.72	1/2	3,153.08	1/2	2,780.45
3/4		3/4		3/4		3/4	5,002.72	3/4	4,633.38	3/4	4,263.05	3/4	3,890.49	3/4	3,517.95	3/4	3,145.32	3/4	2,772.69
4		4		4		4	4,995.41	4	4,625.65	4	4,255.29	4	3,882.73	4	3,510.19	4	3,137.56	4	2,764.92
1/4		1/4		1/4		1/4	4,988.11	1/4	4,617.91	1/4	4,247.53	1/4	3,874.97	1/4	3,502.43	1/4	3,129.79	1/4	2,757.16
1/2		1/2		1/2		1/2	4,980.80	1/2	4,610.18	1/2	4,239.76	1/2	3,867.20	1/2	3,494.66	1/2	3,122.03	1/2	2,749.40
3/4		3/4		3/4		3/4	4,973.15	3/4	4,602.44	3/4	4,232.00	3/4	3,859.45	3/4	3,486.90	3/4	3,114.27	3/4	2,741.63
5		5		5		5	4,965.50	5	4,594.70	5	4,224.24	5	3,851.69	5	3,479.14	5	3,106.50	5	2,733.87
1/4		1/4		1/4		1/4	4,957.85	1/4	4,586.97	1/4	4,216.47	1/4	3,843.94	1/4	3,471.37	1/4	3,098.74	1/4	2,726.11
1/2		1/2		1/2		1/2	4,950.21	1/2	4,579.23	1/2	4,208.71	1/2	3,836.19	1/2	3,463.61	1/2	3,090.98	1/2	2,718.34
3/4		3/4		3/4		3/4	4,942.51	3/4	4,571.50	3/4	4,200.95	3/4	3,828.44	3/4	3,455.85	3/4	3,083.21	3/4	2,710.58
6		6		6		6	4,934.81	6	4,563.76	6	4,193.18	6	3,820.68	6	3,448.08	6	3,075.45	6	2,702.82
1/4		1/4		1/4		1/4	4,927.12	1/4	4,556.03	1/4	4,185.42	1/4	3,812.93	1/4	3,440.32	1/4	3,067.69	1/4	2,695.05
1/2		1/2		1/2		1/2	4,919.42	1/2	4,548.29	1/2	4,177.65	1/2	3,805.18	1/2	3,432.56	1/2	3,059.92	1/2	2,687.29
3/4		3/4		3/4		3/4	4,911.72	3/4	4,540.65	3/4	4,169.89	3/4	3,797.42	3/4	3,424.79	3/4	3,052.16	3/4	2,679.53
7		7		7		7	4,904.02	7	4,533.00	7	4,162.13	7	3,789.66	7	3,417.03	7	3,044.40	7	2,671.76
1/4		1/4		1/4		1/4	4,896.31	1/4	4,525.35	1/4	4,154.36	1/4	3,781.90	1/4	3,409.27	1/4	3,036.63	1/4	2,664.00
1/2		1/2		1/2		1/2	4,888.61	1/2	4,517.70	1/2	4,146.60	1/2	3,774.14	1/2	3,401.50	1/2	3,028.87	1/2	2,656.24
3/4		3/4		3/4		3/4	4,880.88	3/4	4,510.06	3/4	4,138.84	3/4	3,766.37	3/4	3,393.74	3/4	3,021.11	3/4	2,648.47
8		8		8		8	4,873.16	8	4,502.42	8	4,131.07	8	3,758.61	8	3,385.98	8	3,013.34	8	2,640.71
1/4		1/4		1/4		1/4	4,865.43	1/4	4,494.78	1/4	4,123.31	1/4	3,750.85	1/4	3,378.21	1/4	3,005.58	1/4	2,632.95
1/2		1/2		1/2		1/2	4,857.70	1/2	4,487.14	1/2	4,115.55	1/2	3,743.09	1/2	3,370.45	1/2	2,997.82	1/2	2,625.18
3/4		3/4		3/4		3/4	4,849.97	3/4	4,479.50	3/4	4,107.78	3/4	3,735.32	3/4	3,362.69	3/4	2,990.05	3/4	2,617.42
9		9		9		9	4,842.23	9	4,471.85	9	4,100.02	9	3,727.56	9	3,354.93	9	2,982.29	9	2,609.66
1/4		1/4		1/4		1/4	4,834.50	1/4	4,464.20	1/4	4,092.26	1/4	3,719.80	1/4	3,347.16	1/4	2,974.53	1/4	2,601.89
1/2		1/2		1/2		1/2	4,826.76	1/2	4,456.56	1/2	4,084.49	1/2	3,712.03	1/2	3,339.40	1/2	2,966.77	1/2	2,594.13
3/4		3/4		3/4		3/4	4,819.03	3/4	4,448.91	3/4	4,076.74	3/4	3,704.27	3/4	3,331.64	3/4	2,959.00	3/4	2,586.37
10		10		10		10	4,811.29	10	4,441.26	10	4,068.98	10	3,696.51	10	3,323.87	10	2,951.24	10	2,578.61
1/4		1/4		1/4		1/4	4,803.56	1/4	4,433.62	1/4	4,061.23	1/4	3,688.74	1/4	3,316.11	1/4	2,943.48	1/4	2,570.84
1/2		1/2		1/2		1/2	4,795.82	1/2	4,425.97	1/2	4,053.47	1/2	3,680.98	1/2	3,308.35	1/2	2,935.71	1/2	2,563.08
3/4		3/4		3/4		3/4	4,788.09	3/4	4,418.24	3/4	4,045.72	3/4	3,673.22	3/4	3,300.58	3/4	2,927.95	3/4	2,555.32
11		11		11		11	4,780.35	11	4,410.50	11	4,037.97	11	3,665.45	11	3,292.82	11	2,920.19	11	2,547.55
1/4		1/4		1/4		1/4	4,772.62	1/4	4,402.77	1/4	4,030.21	1/4	3,657.69	1/4	3,285.06	1/4	2,912.42	1/4	2,539.79
1/2		1/2		1/2		1/2	4,764.88	1/2	4,395.03	1/2	4,022.46	1/2	3,649.93	1/2	3,277.29	1/2	2,904.66	1/2	2,532.03
3/4		3/4		3/4		3/4	4,757.15	3/4	4,387.27	3/4	4,014.70	3/4	3,642.16	3/4	3,269.53	3/4	2,896.90	3/4	2,524.26

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,516.50	0	2,143.83	0	1,771.16	0	1,398.49	0	1,025.82	0	653.19	0	281.86	0		0		0	
1/4	2,508.74	1/4	2,136.07	1/4	1,763.40	1/4	1,390.73	1/4	1,018.05	1/4	645.44	1/4	274.34	1/4	1/4	1/4		1/4	1/4
1/2	2,500.97	1/2	2,128.31	1/2	1,755.63	1/2	1,382.96	1/2	1,010.29	1/2	637.68	1/2	266.82	1/2	1/2	1/2		1/2	1/2
3/4	2,493.21	3/4	2,120.54	3/4	1,747.87	3/4	1,375.20	3/4	1,002.53	3/4	629.92	3/4	259.30	3/4	3/4	3/4		3/4	3/4
1	2,485.45	1	2,112.78	1	1,740.11	1	1,367.43	1	994.76	1	622.16	1	251.77	1		1		1	
1/4	2,477.68	1/4	2,105.01	1/4	1,732.34	1/4	1,359.67	1/4	987.00	1/4	614.40	1/4	244.25	1/4	1/4	1/4		1/4	1/4
1/2	2,469.92	1/2	2,097.25	1/2	1,724.58	1/2	1,351.91	1/2	979.23	1/2	606.64	1/2	236.73	1/2	1/2	1/2		1/2	1/2
3/4	2,462.16	3/4	2,089.49	3/4	1,716.81	3/4	1,344.14	3/4	971.47	3/4	598.88	3/4	229.21	3/4	3/4	3/4		3/4	3/4
2	2,454.39	2	2,081.72	2	1,709.05	2	1,336.38	2	963.71	2	591.12	2	221.69	2		2		2	
1/4	2,446.63	1/4	2,073.96	1/4	1,701.29	1/4	1,328.61	1/4	955.94	1/4	583.37	1/4	214.17	1/4	1/4	1/4		1/4	1/4
1/2	2,438.87	1/2	2,066.19	1/2	1,693.52	1/2	1,320.85	1/2	948.18	1/2	575.61	1/2	206.64	1/2	1/2	1/2		1/2	1/2
3/4	2,431.10	3/4	2,058.43	3/4	1,685.76	3/4	1,313.09	3/4	940.41	3/4	567.85	3/4	199.12	3/4	3/4	3/4		3/4	3/4
3	2,423.34	3	2,050.67	3	1,677.99	3	1,305.32	3	932.65	3	560.09	3	191.60	3		3		3	
1/4	2,415.57	1/4	2,042.90	1/4	1,670.23	1/4	1,297.56	1/4	924.89	1/4	552.33	1/4	184.08	1/4	1/4	1/4		1/4	1/4
1/2	2,407.81	1/2	2,035.14	1/2	1,662.47	1/2	1,289.79	1/2	917.12	1/2	544.57	1/2	176.56	1/2	1/2	1/2		1/2	1/2
3/4	2,400.05	3/4	2,027.37	3/4	1,654.70	3/4	1,282.03	3/4	909.36	3/4	536.81	3/4	169.04	3/4	3/4	3/4		3/4	3/4
4	2,392.28	4	2,019.61	4	1,646.94	4	1,274.27	4	901.59	4	529.06	4	161.52	4		4		4	
1/4	2,384.52	1/4	2,011.85	1/4	1,639.17	1/4	1,266.50	1/4	893.83	1/4	521.30	1/4	153.99	1/4	1/4	1/4		1/4	1/4
1/2	2,376.75	1/2	2,004.08	1/2	1,631.41	1/2	1,258.74	1/2	886.07	1/2	513.54	1/2	146.47	1/2	1/2	1/2		1/2	1/2
3/4	2,368.99	3/4	1,996.32	3/4	1,623.65	3/4	1,250.97	3/4	878.30	3/4	505.78	3/4	138.96	3/4	3/4	3/4		3/4	3/4
5	2,361.23	5	1,988.55	5	1,615.88	5	1,243.21	5	870.54	5	498.02	5	131.45	5		5		5	
1/4	2,353.46	1/4	1,980.79	1/4	1,608.12	1/4	1,235.45	1/4	862.77	1/4	490.26	1/4	123.93	1/4	1/4	1/4		1/4	1/4
1/2	2,345.70	1/2	1,973.03	1/2	1,600.35	1/2	1,227.68	1/2	855.01	1/2	482.50	1/2	116.42	1/2	1/2	1/2		1/2	1/2
3/4	2,337.93	3/4	1,965.26	3/4	1,592.59	3/4	1,219.92	3/4	847.25	3/4	474.74	3/4	108.75	3/4	3/4	3/4		3/4	3/4
6	2,330.17	6	1,957.50	6	1,584.83	6	1,212.15	6	839.48	6	466.98	6	101.07	6		6		6	
1/4	2,322.41	1/4	1,949.73	1/4	1,577.06	1/4	1,204.39	1/4	831.72	1/4	459.22	1/4	93.40	1/4	1/4	1/4		1/4	1/4
1/2	2,314.64	1/2	1,941.97	1/2	1,569.30	1/2	1,196.63	1/2	823.95	1/2	451.45	1/2	85.73	1/2	1/2	1/2		1/2	1/2
3/4	2,306.88	3/4	1,934.21	3/4	1,561.53	3/4	1,188.86	3/4	816.19	3/4	443.69	3/4	78.56	3/4	3/4	3/4		3/4	3/4
7	2,299.11	7	1,926.44	7	1,553.77	7	1,181.10	7	808.43	7	435.93	7	71.39	7		7		7	
1/4	2,291.35	1/4	1,918.68	1/4	1,546.01	1/4	1,173.33	1/4	800.66	1/4	428.16	1/4	64.21	1/4	1/4	1/4		1/4	1/4
1/2	2,283.59	1/2	1,910.91	1/2	1,538.24	1/2	1,165.57	1/2	792.90	1/2	420.40	1/2	57.04	1/2	1/2	1/2		1/2	1/2
3/4	2,275.82	3/4	1,903.15	3/4	1,530.48	3/4	1,157.81	3/4	785.13	3/4	412.64	3/4	51.22	3/4	3/4	3/4		3/4	3/4
8	2,268.06	8	1,895.39	8	1,522.71	8	1,150.04	8	777.37	8	404.87	8	45.40	8		8		8	
1/4	2,260.29	1/4	1,887.62	1/4	1,514.95	1/4	1,142.28	1/4	769.61	1/4	397.11	1/4	39.58	1/4	1/4	1/4		1/4	1/4
1/2	2,252.53	1/2	1,879.86	1/2	1,507.19	1/2	1,134.51	1/2	761.84	1/2	389.34	1/2	33.75	1/2	1/2	1/2		1/2	1/2
3/4	2,244.77	3/4	1,872.09	3/4	1,499.42	3/4	1,126.75	3/4	754.08	3/4	381.58	3/4	29.48	3/4	3/4	3/4		3/4	3/4
9	2,237.00	9	1,864.33	9	1,491.66	9	1,118.99	9	746.31	9	373.82	9	25.21	9		9		9	
1/4	2,229.24	1/4	1,856.57	1/4	1,483.89	1/4	1,111.22	1/4	738.55	1/4	366.05	1/4	20.95	1/4	1/4	1/4		1/4	1/4
1/2	2,221.47	1/2	1,848.80	1/2	1,476.13	1/2	1,103.46	1/2	730.79	1/2	358.29	1/2	16.68	1/2	1/2	1/2		1/2	1/2
3/4	2,213.71	3/4	1,841.04	3/4	1,468.37	3/4	1,095.69	3/4	723.03	3/4	350.53	3/4		3/4	3/4	3/4		3/4	3/4
10	2,205.95	10	1,833.27	10	1,460.60	10	1,087.93	10	715.27	10	342.76	10		10		10		10	
1/4	2,198.18	1/4	1,825.51	1/4	1,452.84	1/4	1,080.17	1/4	707.51	1/4	335.00	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,190.42	1/2	1,817.75	1/2	1,445.07	1/2	1,072.40	1/2	699.75	1/2	327.23	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,182.65	3/4	1,809.98	3/4	1,437.31	3/4	1,064.64	3/4	691.99	3/4	319.65	3/4		3/4	3/4	3/4		3/4	3/4
11	2,174.89	11	1,802.22	11	1,429.55	11	1,056.87	11	684.23	11	312.07	11		11		11		11	
1/4	2,167.13	1/4	1,794.45	1/4	1,421.78	1/4	1,049.11	1/4	676.47	1/4	304.49	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,159.36	1/2	1,786.69	1/2	1,414.02	1/2	1,041.35	1/2	668.71	1/2	296.91	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,151.60	3/4	1,778.93	3/4	1,406.25	3/4	1,033.58	3/4	660.95	3/4	289.38	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/03/2015 SW-CL
CALCULATED: 08/03/2015 CL
PRINTED: 08/04/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,390.50	0	4,190.18	0	3,962.93	0	3,734.70	0	3,506.48	0	3,201.96	0	2,832.95
1/4		1/4		1/4		1/4	4,389.32	1/4	4,185.42	1/4	3,958.18	1/4	3,729.94	1/4	3,501.73	1/4	3,194.29	1/4	2,825.25
1/2		1/2		1/2		1/2	4,388.15	1/2	4,180.66	1/2	3,953.42	1/2	3,725.19	1/2	3,496.97	1/2	3,186.62	1/2	2,817.55
3/4		3/4		3/4		3/4	4,386.97	3/4	4,175.91	3/4	3,948.66	3/4	3,720.43	3/4	3,492.21	3/4	3,178.95	3/4	2,809.86
1		1		1		1	4,384.70	1	4,171.15	1	3,943.91	1	3,715.67	1	3,487.46	1	3,171.28	1	2,802.16
1/4		1/4		1/4		1/4	4,382.42	1/4	4,166.39	1/4	3,939.15	1/4	3,710.92	1/4	3,482.70	1/4	3,163.60	1/4	2,794.47
1/2		1/2		1/2		1/2	4,380.14	1/2	4,161.64	1/2	3,934.39	1/2	3,706.16	1/2	3,477.95	1/2	3,155.93	1/2	2,786.77
3/4		3/4		3/4		3/4	4,377.86	3/4	4,156.88	3/4	3,929.64	3/4	3,701.40	3/4	3,473.19	3/4	3,148.26	3/4	2,779.07
2		2		2		2	4,374.48	2	4,152.12	2	3,924.88	2	3,696.65	2	3,468.43	2	3,140.59	2	2,771.38
1/4		1/4		1/4		1/4	4,371.10	1/4	4,147.37	1/4	3,920.12	1/4	3,691.89	1/4	3,463.68	1/4	3,132.92	1/4	2,763.68
1/2		1/2		1/2		1/2	4,367.72	1/2	4,142.61	1/2	3,915.37	1/2	3,687.13	1/2	3,458.92	1/2	3,125.25	1/2	2,755.99
3/4		3/4		3/4		3/4	4,364.34	3/4	4,137.85	3/4	3,910.61	3/4	3,682.38	3/4	3,454.16	3/4	3,117.58	3/4	2,748.29
3		3		3		3	4,359.98	3	4,133.09	3	3,905.85	3	3,677.62	3	3,449.41	3	3,109.90	3	2,740.59
1/4		1/4		1/4		1/4	4,355.62	1/4	4,128.34	1/4	3,901.10	1/4	3,672.86	1/4	3,444.65	1/4	3,102.23	1/4	2,732.90
1/2		1/2		1/2		1/2	4,351.26	1/2	4,123.58	1/2	3,896.34	1/2	3,668.11	1/2	3,439.89	1/2	3,094.56	1/2	2,725.20
3/4		3/4		3/4		3/4	4,346.90	3/4	4,118.82	3/4	3,891.58	3/4	3,663.35	3/4	3,435.14	3/4	3,086.89	3/4	2,717.51
4		4		4		4	4,342.20	4	4,114.07	4	3,886.83	4	3,658.60	4	3,430.38	4	3,079.20	4	2,709.81
1/4		1/4		1/4		1/4	4,337.50	1/4	4,109.31	1/4	3,882.07	1/4	3,653.85	1/4	3,425.62	1/4	3,071.51	1/4	2,702.11
1/2		1/2		1/2		1/2	4,332.79	1/2	4,104.55	1/2	3,877.31	1/2	3,649.11	1/2	3,420.87	1/2	3,063.82	1/2	2,694.42
3/4		3/4		3/4		3/4	4,328.09	3/4	4,099.80	3/4	3,872.56	3/4	3,644.36	3/4	3,416.11	3/4	3,056.13	3/4	2,686.72
5		5		5		5	4,323.34	5	4,095.04	5	3,867.80	5	3,639.62	5	3,410.26	5	3,048.43	5	2,679.03
1/4		1/4		1/4		1/4	4,318.59	1/4	4,090.28	1/4	3,863.04	1/4	3,634.87	1/4	3,404.42	1/4	3,040.74	1/4	2,671.33
1/2		1/2		1/2		1/2	4,313.84	1/2	4,085.53	1/2	3,858.29	1/2	3,630.13	1/2	3,398.57	1/2	3,033.04	1/2	2,663.63
3/4		3/4		3/4		3/4	4,309.09	3/4	4,080.77	3/4	3,853.53	3/4	3,625.38	3/4	3,392.72	3/4	3,025.35	3/4	2,655.94
6		6		6		6	4,304.33	6	4,076.07	6	3,848.77	6	3,620.63	6	3,385.40	6	3,017.65	6	2,648.24
1/4		1/4		1/4		1/4	4,299.58	1/4	4,071.36	1/4	3,844.02	1/4	3,615.88	1/4	3,378.07	1/4	3,009.95	1/4	2,640.55
1/2		1/2		1/2		1/2	4,294.82	1/2	4,066.65	1/2	3,839.26	1/2	3,611.12	1/2	3,370.75	1/2	3,002.26	1/2	2,632.85
3/4		3/4		3/4		3/4	4,290.07	3/4	4,061.95	3/4	3,834.50	3/4	3,606.37	3/4	3,363.43	3/4	2,994.56	3/4	2,625.15
7		7		7		7	4,285.31	7	4,057.26	7	3,829.75	7	3,601.61	7	3,355.73	7	2,986.87	7	2,617.45
1/4		1/4		1/4		1/4	4,280.55	1/4	4,052.57	1/4	3,824.99	1/4	3,596.86	1/4	3,348.04	1/4	2,979.17	1/4	2,609.74
1/2		1/2		1/2		1/2	4,275.80	1/2	4,047.88	1/2	3,820.23	1/2	3,592.10	1/2	3,340.35	1/2	2,971.47	1/2	2,602.03
3/4		3/4		3/4		3/4	4,271.04	3/4	4,043.19	3/4	3,815.48	3/4	3,587.34	3/4	3,332.66	3/4	2,963.78	3/4	2,594.32
8		8		8		8	4,266.28	8	4,038.50	8	3,810.72	8	3,582.59	8	3,324.96	8	2,956.08	8	2,586.63
1/4		1/4		1/4		1/4	4,261.53	1/4	4,033.81	1/4	3,805.96	1/4	3,577.83	1/4	3,317.27	1/4	2,948.39	1/4	2,578.95
1/2		1/2		1/2		1/2	4,256.77	1/2	4,029.12	1/2	3,801.21	1/2	3,573.07	1/2	3,309.58	1/2	2,940.69	1/2	2,571.27
3/4		3/4		3/4		3/4	4,252.01	3/4	4,024.43	3/4	3,796.45	3/4	3,568.32	3/4	3,301.88	3/4	2,932.99	3/4	2,563.59
9		9		9		9	4,247.26	9	4,019.75	9	3,791.70	9	3,563.56	9	3,294.19	9	2,925.30	9	2,555.91
1/4		1/4		1/4		1/4	4,242.50	1/4	4,015.06	1/4	3,786.95	1/4	3,558.80	1/4	3,286.50	1/4	2,917.60	1/4	2,548.24
1/2		1/2		1/2		1/2	4,237.74	1/2	4,010.37	1/2	3,782.20	1/2	3,554.05	1/2	3,278.81	1/2	2,909.91	1/2	2,540.57
3/4		3/4		3/4		3/4	4,232.99	3/4	4,005.68	3/4	3,777.46	3/4	3,549.29	3/4	3,271.11	3/4	2,902.21	3/4	2,532.90
10		10		10		10	4,228.23	10	4,000.94	10	3,772.71	10	3,544.53	10	3,263.42	10	2,894.51	10	2,525.23
1/4		1/4		1/4		1/4	4,223.47	1/4	3,996.20	1/4	3,767.96	1/4	3,539.78	1/4	3,255.73	1/4	2,886.82	1/4	2,517.57
1/2		1/2		1/2		1/2	4,218.72	1/2	3,991.46	1/2	3,763.22	1/2	3,535.02	1/2	3,248.03	1/2	2,879.12	1/2	2,509.90
3/4		3/4		3/4		3/4	4,213.96	3/4	3,986.72	3/4	3,758.47	3/4	3,530.27	3/4	3,240.34	3/4	2,871.43	3/4	2,502.24
11		11		11		11	4,209.20	11	3,981.96	11	3,753.72	11	3,525.51	11	3,232.66	11	2,863.73	11	2,494.58
1/4		1/4		1/4		1/4	4,204.45	1/4	3,977.20	1/4	3,748.96	1/4	3,520.75	1/4	3,224.99	1/4	2,856.03	1/4	2,486.91
1/2		1/2		1/2		1/2	4,199.69	1/2	3,972.45	1/2	3,744.21	1/2	3,516.00	1/2	3,217.31	1/2	2,848.34	1/2	2,479.25
3/4		3/4		3/4		3/4	4,194.93	3/4	3,967.69	3/4	3,739.46	3/4	3,511.24	3/4	3,209.63	3/4	2,840.64	3/4	2,471.59

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,463.89	0	2,093.64	0	1,725.05	0	1,355.65	0	985.42	0	621.48	0	257.68	0		0		0	
1/4	2,456.19	1/4	2,085.93	1/4	1,717.39	1/4	1,347.94	1/4	977.71	1/4	613.99	1/4	250.21	1/4		1/4		1/4	
1/2	2,448.49	1/2	2,078.21	1/2	1,709.72	1/2	1,340.22	1/2	969.99	1/2	606.51	1/2	242.73	1/2		1/2		1/2	
3/4	2,440.79	3/4	2,070.50	3/4	1,702.06	3/4	1,332.51	3/4	962.28	3/4	599.03	3/4	235.26	3/4		3/4		3/4	
1	2,433.07	1	2,062.78	1	1,694.40	1	1,324.80	1	954.57	1	591.54	1	227.78	1		1		1	
1/4	2,425.36	1/4	2,055.07	1/4	1,686.74	1/4	1,317.08	1/4	946.85	1/4	584.06	1/4	220.31	1/4		1/4		1/4	
1/2	2,417.64	1/2	2,047.35	1/2	1,679.08	1/2	1,309.37	1/2	939.14	1/2	576.58	1/2	212.83	1/2		1/2		1/2	
3/4	2,409.93	3/4	2,039.64	3/4	1,671.42	3/4	1,301.66	3/4	931.43	3/4	569.09	3/4	205.36	3/4		3/4		3/4	
2	2,402.21	2	2,031.93	2	1,663.76	2	1,293.94	2	923.71	2	561.61	2	197.89	2		2		2	
1/4	2,394.50	1/4	2,024.21	1/4	1,656.09	1/4	1,286.23	1/4	916.00	1/4	554.13	1/4	190.41	1/4		1/4		1/4	
1/2	2,386.78	1/2	2,016.50	1/2	1,648.43	1/2	1,278.52	1/2	908.29	1/2	546.64	1/2	182.94	1/2		1/2		1/2	
3/4	2,379.07	3/4	2,008.78	3/4	1,640.77	3/4	1,270.80	3/4	900.58	3/4	539.16	3/4	175.46	3/4		3/4		3/4	
3	2,371.35	3	2,001.07	3	1,633.11	3	1,263.09	3	892.86	3	531.67	3	167.99	3		3		3	
1/4	2,363.64	1/4	1,993.35	1/4	1,625.45	1/4	1,255.38	1/4	885.15	1/4	524.19	1/4	160.52	1/4		1/4		1/4	
1/2	2,355.93	1/2	1,985.64	1/2	1,617.79	1/2	1,247.66	1/2	877.44	1/2	516.71	1/2	153.04	1/2		1/2		1/2	
3/4	2,348.21	3/4	1,977.93	3/4	1,610.13	3/4	1,239.95	3/4	869.72	3/4	509.22	3/4	145.57	3/4		3/4		3/4	
4	2,340.50	4	1,970.25	4	1,602.43	4	1,232.24	4	862.01	4	501.74	4	138.10	4		4		4	
1/4	2,332.78	1/4	1,962.58	1/4	1,594.73	1/4	1,224.53	1/4	854.30	1/4	494.26	1/4	130.64	1/4		1/4		1/4	
1/2	2,325.07	1/2	1,954.90	1/2	1,587.03	1/2	1,216.81	1/2	846.58	1/2	486.77	1/2	123.17	1/2		1/2		1/2	
3/4	2,317.35	3/4	1,947.23	3/4	1,579.33	3/4	1,209.10	3/4	838.87	3/4	479.29	3/4	115.70	3/4		3/4		3/4	
5	2,309.64	5	1,939.57	5	1,571.61	5	1,201.39	5	831.32	5	471.63	5	108.08	5		5		5	
1/4	2,301.93	1/4	1,931.90	1/4	1,563.90	1/4	1,193.67	1/4	823.77	1/4	463.97	1/4	100.45	1/4		1/4		1/4	
1/2	2,294.21	1/2	1,924.24	1/2	1,556.19	1/2	1,185.96	1/2	816.22	1/2	456.32	1/2	92.83	1/2		1/2		1/2	
3/4	2,286.50	3/4	1,916.58	3/4	1,548.48	3/4	1,178.25	3/4	808.67	3/4	448.66	3/4	85.20	3/4		3/4		3/4	
6	2,278.78	6	1,908.92	6	1,540.76	6	1,170.53	6	801.17	6	440.94	6	78.07	6		6		6	
1/4	2,271.07	1/4	1,901.26	1/4	1,533.05	1/4	1,162.82	1/4	793.68	1/4	433.22	1/4	70.95	1/4		1/4		1/4	
1/2	2,263.35	1/2	1,893.60	1/2	1,525.34	1/2	1,155.11	1/2	786.18	1/2	425.51	1/2	63.82	1/2		1/2		1/2	
3/4	2,255.64	3/4	1,885.94	3/4	1,517.62	3/4	1,147.39	3/4	778.69	3/4	417.79	3/4	56.69	3/4		3/4		3/4	
7	2,247.93	7	1,878.28	7	1,509.91	7	1,139.68	7	771.20	7	410.08	7	50.90	7		7		7	
1/4	2,240.21	1/4	1,870.61	1/4	1,502.20	1/4	1,131.97	1/4	763.70	1/4	402.36	1/4	45.12	1/4		1/4		1/4	
1/2	2,232.50	1/2	1,862.95	1/2	1,494.48	1/2	1,124.26	1/2	756.21	1/2	394.64	1/2	39.33	1/2		1/2		1/2	
3/4	2,224.78	3/4	1,855.29	3/4	1,486.77	3/4	1,116.54	3/4	748.72	3/4	386.93	3/4	33.54	3/4		3/4		3/4	
8	2,217.07	8	1,847.63	8	1,479.06	8	1,108.83	8	741.23	8	379.21	8	29.30	8		8		8	
1/4	2,209.35	1/4	1,839.97	1/4	1,471.34	1/4	1,101.12	1/4	733.75	1/4	371.49	1/4	25.06	1/4		1/4		1/4	
1/2	2,201.64	1/2	1,832.31	1/2	1,463.63	1/2	1,093.40	1/2	726.26	1/2	363.78	1/2	20.81	1/2		1/2		1/2	
3/4	2,193.93	3/4	1,824.65	3/4	1,455.92	3/4	1,085.69	3/4	718.77	3/4	356.06	3/4	16.57	3/4		3/4		3/4	
9	2,186.21	9	1,816.98	9	1,448.21	9	1,077.98	9	711.28	9	348.34	9		9		9		9	
1/4	2,178.50	1/4	1,809.32	1/4	1,440.49	1/4	1,070.26	1/4	703.80	1/4	340.63	1/4		1/4		1/4		1/4	
1/2	2,170.78	1/2	1,801.66	1/2	1,432.78	1/2	1,062.55	1/2	696.31	1/2	332.91	1/2		1/2		1/2		1/2	
3/4	2,163.07	3/4	1,794.00	3/4	1,425.07	3/4	1,054.84	3/4	688.83	3/4	325.19	3/4		3/4		3/4		3/4	
10	2,155.35	10	1,786.34	10	1,417.35	10	1,047.12	10	681.34	10	317.66	10		10		10		10	
1/4	2,147.64	1/4	1,778.68	1/4	1,409.64	1/4	1,039.41	1/4	673.86	1/4	310.12	1/4		1/4		1/4		1/4	
1/2	2,139.93	1/2	1,771.02	1/2	1,401.93	1/2	1,031.70	1/2	666.38	1/2	302.59	1/2		1/2		1/2		1/2	
3/4	2,132.21	3/4	1,763.35	3/4	1,394.21	3/4	1,023.98	3/4	658.89	3/4	295.05	3/4		3/4		3/4		3/4	
11	2,124.50	11	1,755.69	11	1,386.50	11	1,016.27	11	651.41	11	287.58	11		11		11		11	
1/4	2,116.78	1/4	1,748.03	1/4	1,378.79	1/4	1,008.56	1/4	643.93	1/4	280.11	1/4		1/4		1/4		1/4	
1/2	2,109.07	1/2	1,740.37	1/2	1,371.07	1/2	1,000.85	1/2	636.44	1/2	272.63	1/2		1/2		1/2		1/2	
3/4	2,101.35	3/4	1,732.71	3/4	1,363.36	3/4	993.13	3/4	628.96	3/4	265.16	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/03/2015 SW-CL
CALCULATED: 08/03/2015 CL
PRINTED: 08/04/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,223.83	0	3,995.24	0	3,765.67	0	3,536.11	0	3,238.60	0	2,868.05		
1/4		1/4		1/4		1/4	4,219.04	1/4	3,990.46	1/4	3,760.88	1/4	3,531.33	1/4	3,230.89	1/4	2,860.32		
1/2		1/2		1/2		1/2	4,412.14	1/2	3,985.68	1/2	3,756.10	1/2	3,526.55	1/2	3,223.18	1/2	2,852.59		
3/4		3/4		3/4		3/4	4,410.96	3/4	4,209.47	3/4	3,980.89	3/4	3,751.32	3/4	3,521.76	3/4	3,215.47	3/4	2,844.86
1		1		1		1	4,409.78	1	4,204.69	1	3,976.11	1	3,746.53	1	3,516.98	1	3,207.77	1	2,837.13
1/4		1/4		1/4		1/4	4,408.60	1/4	4,199.91	1/4	3,971.32	1/4	3,741.75	1/4	3,512.19	1/4	3,200.06	1/4	2,829.40
1/2		1/2		1/2		1/2	4,407.42	1/2	4,195.12	1/2	3,966.54	1/2	3,736.96	1/2	3,507.41	1/2	3,192.36	1/2	2,821.67
3/4		3/4		3/4		3/4	4,405.13	3/4	4,190.34	3/4	3,961.75	3/4	3,732.18	3/4	3,502.62	3/4	3,184.65	3/4	2,813.95
2		2		2		2	4,402.84	2	4,185.55	2	3,956.97	2	3,727.39	2	3,497.84	2	3,176.95	2	2,806.23
1/4		1/4		1/4		1/4	4,400.55	1/4	4,180.77	1/4	3,952.18	1/4	3,722.61	1/4	3,493.06	1/4	3,169.24	1/4	2,798.51
1/2		1/2		1/2		1/2	4,398.26	1/2	4,175.98	1/2	3,947.40	1/2	3,717.82	1/2	3,488.27	1/2	3,161.54	1/2	2,790.79
3/4		3/4		3/4		3/4	4,394.86	3/4	4,171.20	3/4	3,942.61	3/4	3,713.04	3/4	3,483.49	3/4	3,153.83	3/4	2,783.07
3		3		3		3	4,391.46	3	4,166.41	3	3,937.83	3	3,708.26	3	3,478.70	3	3,146.13	3	2,775.35
1/4		1/4		1/4		1/4	4,388.06	1/4	4,161.63	1/4	3,933.05	1/4	3,703.47	1/4	3,473.92	1/4	3,138.42	1/4	2,767.63
1/2		1/2		1/2		1/2	4,384.66	1/2	4,156.84	1/2	3,928.26	1/2	3,698.69	1/2	3,469.13	1/2	3,130.72	1/2	2,759.92
3/4		3/4		3/4		3/4	4,380.27	3/4	4,152.06	3/4	3,923.48	3/4	3,693.90	3/4	3,464.35	3/4	3,123.01	3/4	2,752.20
4		4		4		4	4,375.89	4	4,147.27	4	3,918.69	4	3,689.12	4	3,459.56	4	3,115.31	4	2,744.48
1/4		1/4		1/4		1/4	4,371.50	1/4	4,142.49	1/4	3,913.91	1/4	3,684.33	1/4	3,454.78	1/4	3,107.60	1/4	2,736.76
1/2		1/2		1/2		1/2	4,367.11	1/2	4,137.70	1/2	3,909.12	1/2	3,679.55	1/2	3,450.00	1/2	3,099.90	1/2	2,729.04
3/4		3/4		3/4		3/4	4,362.38	3/4	4,132.92	3/4	3,904.34	3/4	3,674.77	3/4	3,445.21	3/4	3,092.18	3/4	2,721.33
5		5		5		5	4,357.65	5	4,128.14	5	3,899.55	5	3,670.00	5	3,440.43	5	3,084.45	5	2,713.61
1/4		1/4		1/4		1/4	4,352.92	1/4	4,123.35	1/4	3,894.77	1/4	3,665.22	1/4	3,435.64	1/4	3,076.73	1/4	2,705.89
1/2		1/2		1/2		1/2	4,348.19	1/2	4,118.57	1/2	3,889.98	1/2	3,660.45	1/2	3,430.86	1/2	3,069.01	1/2	2,698.17
3/4		3/4		3/4		3/4	4,343.42	3/4	4,113.78	3/4	3,885.20	3/4	3,655.67	3/4	3,424.97	3/4	3,061.28	3/4	2,690.45
6		6		6		6	4,338.64	6	4,109.00	6	3,880.41	6	3,650.90	6	3,419.09	6	3,053.55	6	2,682.74
1/4		1/4		1/4		1/4	4,333.86	1/4	4,104.21	1/4	3,875.63	1/4	3,646.13	1/4	3,413.21	1/4	3,045.82	1/4	2,675.02
1/2		1/2		1/2		1/2	4,329.09	1/2	4,099.43	1/2	3,870.85	1/2	3,641.36	1/2	3,407.32	1/2	3,038.09	1/2	2,667.30
3/4		3/4		3/4		3/4	4,324.30	3/4	4,094.69	3/4	3,866.06	3/4	3,636.58	3/4	3,399.96	3/4	3,030.36	3/4	2,659.58
7		7		7		7	4,319.52	7	4,089.96	7	3,861.28	7	3,631.80	7	3,392.59	7	3,022.63	7	2,651.87
1/4		1/4		1/4		1/4	4,314.74	1/4	4,085.22	1/4	3,856.49	1/4	3,627.02	1/4	3,385.22	1/4	3,014.90	1/4	2,644.15
1/2		1/2		1/2		1/2	4,309.95	1/2	4,080.49	1/2	3,851.71	1/2	3,622.23	1/2	3,377.86	1/2	3,007.17	1/2	2,636.43
3/4		3/4		3/4		3/4	4,305.17	3/4	4,075.77	3/4	3,846.92	3/4	3,617.45	3/4	3,370.12	3/4	2,999.44	3/4	2,628.70
8		8		8		8	4,300.38	8	4,071.06	8	3,842.14	8	3,612.67	8	3,362.38	8	2,991.71	8	2,620.97
1/4		1/4		1/4		1/4	4,295.60	1/4	4,066.34	1/4	3,837.35	1/4	3,607.88	1/4	3,354.64	1/4	2,983.98	1/4	2,613.24
1/2		1/2		1/2		1/2	4,290.81	1/2	4,061.62	1/2	3,832.57	1/2	3,603.10	1/2	3,346.90	1/2	2,976.25	1/2	2,605.50
3/4		3/4		3/4		3/4	4,286.03	3/4	4,056.91	3/4	3,827.78	3/4	3,598.31	3/4	3,339.16	3/4	2,968.53	3/4	2,597.80
9		9		9		9	4,281.25	9	4,052.19	9	3,823.00	9	3,593.53	9	3,331.42	9	2,960.80	9	2,590.09
1/4		1/4		1/4		1/4	4,276.46	1/4	4,047.47	1/4	3,818.21	1/4	3,588.74	1/4	3,323.68	1/4	2,953.07	1/4	2,582.39
1/2		1/2		1/2		1/2	4,271.68	1/2	4,042.75	1/2	3,813.43	1/2	3,583.96	1/2	3,315.94	1/2	2,945.34	1/2	2,574.69
3/4		3/4		3/4		3/4	4,266.89	3/4	4,038.04	3/4	3,808.65	3/4	3,579.17	3/4	3,308.20	3/4	2,937.61	3/4	2,566.98
10		10		10		10	4,262.11	10	4,033.32	10	3,803.88	10	3,574.39	10	3,300.46	10	2,929.88	10	2,559.28
1/4		1/4		1/4		1/4	4,257.32	1/4	4,028.60	1/4	3,799.10	1/4	3,569.61	1/4	3,292.73	1/4	2,922.15	1/4	2,551.57
1/2		1/2		1/2		1/2	4,252.54	1/2	4,023.89	1/2	3,794.32	1/2	3,564.82	1/2	3,284.99	1/2	2,914.42	1/2	2,543.87
3/4		3/4		3/4		3/4	4,247.75	3/4	4,019.12	3/4	3,789.55	3/4	3,560.04	3/4	3,277.25	3/4	2,906.69	3/4	2,536.17
11		11		11		11	4,242.97	11	4,014.35	11	3,784.78	11	3,555.25	11	3,269.51	11	2,898.96	11	2,528.47
1/4		1/4		1/4		1/4	4,238.18	1/4	4,009.58	1/4	3,780.00	1/4	3,550.47	1/4	3,261.77	1/4	2,891.23	1/4	2,520.77
1/2		1/2		1/2		1/2	4,233.40	1/2	4,004.81	1/2	3,775.23	1/2	3,545.68	1/2	3,254.03	1/2	2,883.50	1/2	2,513.07
3/4		3/4		3/4		3/4	4,228.61	3/4	4,000.03	3/4	3,770.45	3/4	3,540.90	3/4	3,246.32	3/4	2,875.78	3/4	2,505.38

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3007"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,497.68	0	2,125.88	0	1,755.75	0	1,385.10	0	1,013.20	0	646.90	0	281.41	0		0		0	
1/4	2,489.98	1/4	2,118.13	1/4	1,748.06	1/4	1,377.35	1/4	1,005.46	1/4	639.39	1/4	273.91	1/4	1/4	1/4		1/4	1/4
1/2	2,482.28	1/2	2,110.38	1/2	1,740.38	1/2	1,369.60	1/2	997.71	1/2	631.87	1/2	266.40	1/2	1/2	1/2		1/2	1/2
3/4	2,474.55	3/4	2,102.63	3/4	1,732.69	3/4	1,361.85	3/4	989.96	3/4	624.35	3/4	258.89	3/4	3/4	3/4		3/4	3/4
1	2,466.81	1	2,094.88	1	1,725.01	1	1,354.11	1	982.21	1	616.83	1	251.38	1	1	1		1	1
1/4	2,459.08	1/4	2,087.13	1/4	1,717.32	1/4	1,346.36	1/4	974.46	1/4	609.31	1/4	243.87	1/4	1/4	1/4		1/4	1/4
1/2	2,451.34	1/2	2,079.39	1/2	1,709.64	1/2	1,338.61	1/2	966.72	1/2	601.79	1/2	236.36	1/2	1/2	1/2		1/2	1/2
3/4	2,443.59	3/4	2,071.64	3/4	1,701.96	3/4	1,330.86	3/4	958.97	3/4	594.28	3/4	228.85	3/4	3/4	3/4		3/4	3/4
2	2,435.84	2	2,063.89	2	1,694.27	2	1,323.12	2	951.22	2	586.76	2	221.34	2	2	2		2	2
1/4	2,428.09	1/4	2,056.14	1/4	1,686.59	1/4	1,315.37	1/4	943.47	1/4	579.24	1/4	213.83	1/4	1/4	1/4		1/4	1/4
1/2	2,420.35	1/2	2,048.39	1/2	1,678.90	1/2	1,307.62	1/2	935.73	1/2	571.72	1/2	206.32	1/2	1/2	1/2		1/2	1/2
3/4	2,412.60	3/4	2,040.64	3/4	1,671.22	3/4	1,299.87	3/4	927.98	3/4	564.20	3/4	198.81	3/4	3/4	3/4		3/4	3/4
3	2,404.85	3	2,032.89	3	1,663.53	3	1,292.12	3	920.23	3	556.69	3	191.30	3	3	3		3	3
1/4	2,397.10	1/4	2,025.14	1/4	1,655.85	1/4	1,284.38	1/4	912.48	1/4	549.17	1/4	183.79	1/4	1/4	1/4		1/4	1/4
1/2	2,389.35	1/2	2,017.39	1/2	1,648.16	1/2	1,276.63	1/2	904.73	1/2	541.65	1/2	176.29	1/2	1/2	1/2		1/2	1/2
3/4	2,381.60	3/4	2,009.64	3/4	1,640.48	3/4	1,268.88	3/4	896.99	3/4	534.13	3/4	168.78	3/4	3/4	3/4		3/4	3/4
4	2,373.85	4	2,001.89	4	1,632.79	4	1,261.13	4	889.24	4	526.61	4	161.27	4	4	4		4	4
1/4	2,366.10	1/4	1,994.15	1/4	1,625.11	1/4	1,253.38	1/4	881.49	1/4	519.09	1/4	153.76	1/4	1/4	1/4		1/4	1/4
1/2	2,358.35	1/2	1,986.40	1/2	1,617.42	1/2	1,245.64	1/2	873.74	1/2	511.58	1/2	146.25	1/2	1/2	1/2		1/2	1/2
3/4	2,350.60	3/4	1,978.69	3/4	1,609.70	3/4	1,237.89	3/4	865.99	3/4	504.06	3/4	138.75	3/4	3/4	3/4		3/4	3/4
5	2,342.85	5	1,970.98	5	1,601.98	5	1,230.14	5	858.25	5	496.54	5	131.25	5	5	5		5	5
1/4	2,335.11	1/4	1,963.27	1/4	1,594.25	1/4	1,222.39	1/4	850.50	1/4	489.02	1/4	123.75	1/4	1/4	1/4		1/4	1/4
1/2	2,327.36	1/2	1,955.56	1/2	1,586.53	1/2	1,214.65	1/2	842.75	1/2	481.50	1/2	116.25	1/2	1/2	1/2		1/2	1/2
3/4	2,319.61	3/4	1,947.87	3/4	1,578.79	3/4	1,206.90	3/4	835.17	3/4	473.81	3/4	108.59	3/4	3/4	3/4		3/4	3/4
6	2,311.86	6	1,940.18	6	1,571.04	6	1,199.15	6	827.58	6	466.12	6	100.93	6	6	6		6	6
1/4	2,304.11	1/4	1,932.50	1/4	1,563.29	1/4	1,191.40	1/4	820.00	1/4	458.42	1/4	93.27	1/4	1/4	1/4		1/4	1/4
1/2	2,296.36	1/2	1,924.81	1/2	1,555.55	1/2	1,183.65	1/2	812.41	1/2	450.73	1/2	85.61	1/2	1/2	1/2		1/2	1/2
3/4	2,288.61	3/4	1,917.12	3/4	1,547.80	3/4	1,175.91	3/4	804.88	3/4	442.98	3/4	78.45	3/4	3/4	3/4		3/4	3/4
7	2,280.86	7	1,909.44	7	1,540.05	7	1,168.16	7	797.35	7	435.23	7	71.29	7	7	7		7	7
1/4	2,273.11	1/4	1,901.75	1/4	1,532.31	1/4	1,160.41	1/4	789.82	1/4	427.48	1/4	64.13	1/4	1/4	1/4		1/4	1/4
1/2	2,265.36	1/2	1,894.07	1/2	1,524.56	1/2	1,152.66	1/2	782.29	1/2	419.73	1/2	56.97	1/2	1/2	1/2		1/2	1/2
3/4	2,257.61	3/4	1,886.39	3/4	1,516.81	3/4	1,144.92	3/4	774.76	3/4	411.98	3/4	51.16	3/4	3/4	3/4		3/4	3/4
8	2,249.87	8	1,878.70	8	1,509.06	8	1,137.17	8	767.24	8	404.22	8	45.35	8	8	8		8	8
1/4	2,242.12	1/4	1,871.02	1/4	1,501.31	1/4	1,129.42	1/4	759.71	1/4	396.47	1/4	39.54	1/4	1/4	1/4		1/4	1/4
1/2	2,234.37	1/2	1,863.33	1/2	1,493.57	1/2	1,121.67	1/2	752.19	1/2	388.72	1/2	33.73	1/2	1/2	1/2		1/2	1/2
3/4	2,226.62	3/4	1,855.65	3/4	1,485.82	3/4	1,113.92	3/4	744.66	3/4	380.97	3/4	29.47	3/4	3/4	3/4		3/4	3/4
9	2,218.87	9	1,847.96	9	1,478.07	9	1,106.18	9	737.14	9	373.22	9	25.20	9	9	9		9	9
1/4	2,211.12	1/4	1,840.28	1/4	1,470.32	1/4	1,098.43	1/4	729.62	1/4	365.47	1/4	20.93	1/4	1/4	1/4		1/4	1/4
1/2	2,203.37	1/2	1,832.59	1/2	1,462.58	1/2	1,090.68	1/2	722.09	1/2	357.72	1/2	16.67	1/2	1/2	1/2		1/2	1/2
3/4	2,195.62	3/4	1,824.91	3/4	1,454.83	3/4	1,082.93	3/4	714.57	3/4	349.97	3/4		3/4	3/4	3/4		3/4	3/4
10	2,187.87	10	1,817.22	10	1,447.08	10	1,075.19	10	707.05	10	342.21	10		10	10	10		10	10
1/4	2,180.12	1/4	1,809.54	1/4	1,439.33	1/4	1,067.44	1/4	699.53	1/4	334.46	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,172.37	1/2	1,801.86	1/2	1,431.58	1/2	1,059.69	1/2	692.01	1/2	326.71	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,164.63	3/4	1,794.17	3/4	1,423.84	3/4	1,051.94	3/4	684.49	3/4	319.14	3/4		3/4	3/4	3/4		3/4	3/4
11	2,156.88	11	1,786.49	11	1,416.09	11	1,044.19	11	676.98	11	311.57	11		11	11	11		11	11
1/4	2,149.13	1/4	1,778.80	1/4	1,408.34	1/4	1,036.45	1/4	669.46	1/4	304.00	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,141.38	1/2	1,771.12	1/2	1,400.59	1/2	1,028.70	1/2	661.94	1/2	296.43	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,133.63	3/4	1,763.43	3/4	1,392.85	3/4	1,020.95	3/4	654.42	3/4	288.92	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/03/2015 SW-CL
CALCULATED: 08/03/2015 CL
PRINTED: 08/04/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>